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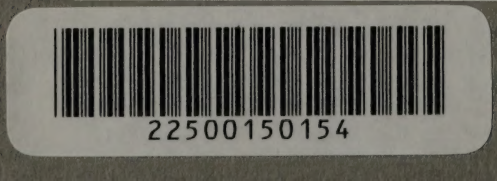

THE ROYAL SOCIETY

FOR THE PROMOTION

OF HEALTH

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GENERAL REGISTER OFFICE

THE REGISTRAR GENERAL'S STATISTICAL REVIEW OF ENGLAND AND WALES FOR THE YEAR 1962

PART III

COMMENTARY

LONDON
HER MAJESTY'S STATIONERY OFFICE
1965

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EXPLANATORY NOTES

1. Populations

The estimates of population appearing in this volume and described as " home ", " total " or " civilian " have the following content:

Home population —the population, of all types, actually in England and Wales, distributed by area according to residence.

Total population —the home population *plus* members of H.M. Forces belonging to England and Wales and serving overseas but *minus* the Forces of other countries temporarily in England and Wales.

Civilian population—the total population *minus* members of H.M. Forces belonging to England and Wales at home or overseas.

2. Stillbirths

Classification of stillbirths by cause is according to the Supplementary List, set out on pages 336–348 of the *International Statistical Classification of Diseases, Injuries and Causes of Death*, 1955* (Seventh Revision), with further sub-division of certain rubrics, and as modified by the following changes of assignment:

Cause of stillbirth	Rubrics to which cause is assigned	
	(i) in International Classification	(ii) in Statistical Review
Patent ductus arteriosus	39·5	38·41
Patent foramen ovale		38·43
Congenital heart condition NOS		38·45
Foetal heart condition NOS		38·45

3. Numbering of tables

Of the tables referred to in this review, those numbered in Arabic numerals will be found in " Part I, Tables, Medical " and those lettered will be found in " Part II, Tables, Population " for the year in question, while those numbered in Roman numerals appear in this volume.

4. Standardised mortality comparison

The Comparative Mortality Index introduced in 1942 has since 1958 been replaced by a Standardised Mortality Ratio which shows the number of deaths registered in the year of experience as a percentage of those which would have been expected in that year had the sex/age mortality of a standard period (1950–1952) operated on the sex/age population of the year of experience.

5. Indication of reliability

Rates given as 0 indicate that the actual rate is less than one half of a unit. A dash (—) in any column indicates that there were no events. Where a cell has been left blank no denominator is available.

Rates based upon less than 20 events are distinguished by italic type as a warning to the user that the smallness of the experiences may affect their reliability as a measure of the underlying mortality.

Numbers

If d represents the deaths in an area and p the population in that area then, if d/p is small, the standard error (s.e.) of d is approximately $\sqrt{d}$ assuming that the deaths are independent of one another. Clearly, the larger the number of deaths the smaller will be the proportionate variability. A deviation either way of twice the s.e. may be expected about once in 20 times. Using this criterion one might expect towns each averaging 20 deaths per year to yield in the same year numbers ranging between 11 and 29 without such differences having any statistical significance. Alternatively it could be said that if 20 deaths were recorded for a town, this number would have a 95 per cent confidence interval of approximately ± 9, there being a 95 per cent chance that the underlying mortality is represented by a number of deaths within this interval.

If d is thought to be an extreme variation it would be more reliable to use as the standard error not $\sqrt{d}$ but $\sqrt{d'}$ where d' is the number of deaths expected if some standard rate (e.g. the national rate) were applied.

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* Manual obtainable from Her Majesty's Stationery Office, price 35s. 0d. net.

Rates

The appropriate standard error of a death rate when d represents the number of deaths and p the population is

$$\frac{\sqrt{d}}{p} \text{ or } \frac{m}{\sqrt{d}}$$

where m is the death rate. The difference between two local death rates m_1 and m_2 can only be regarded as significant if it amounts to more than twice the standard error of the difference, viz.

$$2\sqrt{\left(\frac{m_1^2}{d_1}+\frac{m_2^2}{d_2}\right)}$$

Comparison of adjusted rates

Before comparisons are made, other known sources of variation (such as differences in the sex and age composition of the population) must be removed. If C is the local death Area Comparability Factor (see p. 57, 1954 Review, Part III), then mC is to be compared with m', the national death rate. The s.e. of mC is

$$C\sqrt{\left(\frac{m}{p}\right)}$$

and

$$mC \pm 2C\sqrt{\left(\frac{m}{p}\right)}$$

is to be compared with m'. As already indicated, m' can be used instead of m in the calculation of the s.e.; m' has the advantage of itself having a small sampling error.

6. Abbreviations

A.C.	administrative county (the administrative county of London consists of the City of London [including the Inner and Middle Temple] and the metropolitan boroughs).
C.B.	county borough.
M.B.	municipal borough.
Met. B.	metropolitan borough.
U.D.	urban district.
R.D.	rural district.

7. Standard regions

The constitution of the standard regions of England and Wales used in this volume is as follows:

Northern
Cumberland
Durham
Northumberland
Westmorland
Yorkshire, North Riding

East and West Ridings
Yorkshire, East Riding
Yorkshire, West Riding

North Western
Cheshire
Derbyshire, Part of (1)
Lancashire

North Midland
Derbyshire, Part of (2)
Leicestershire
Lincolnshire
Parts of Holland
Parts of Kesteven
Parts of Lindsey
Northamptonshire
Nottinghamshire
Peterborough, Soke of
Rutland

Midland
Herefordshire
Shropshire
Staffordshire
Warwickshire
Worcestershire

Eastern
Bedfordshire
Cambridgeshire
Ely, Isle of
Essex, Part of (3)
Hertfordshire, Part of (4),
Huntingdonshire
Norfolk
Suffolk, East
Suffolk, West

London and South Eastern
Essex, Part of (5)
Hertfordshire, Part of (6)
Kent
London A.C.
Middlesex
Surrey
Sussex, East
Sussex, West

Southern
Berkshire
Buckinghamshire
Dorset, Part of (7)
Hampshire
Oxfordshire
Wight, Isle of

South Western
Cornwall
Devon
Dorset, Part of (8)
Gloucestershire
Somerset
Wiltshire

Wales I (South East)
Breconshire
Carmarthenshire
Glamorgan
Monmouthshire

Wales II (remainder)
Anglesey
Caernarvonshire
Cardiganshire
Denbighshire
Flintshire
Merionethshire
Montgomeryshire
Pembrokeshire
Radnorshire

(1) Buxton M.B., Glossop M.B., New Mills U.D., Whaley Bridge U.D. and Chapel en le Frith R.D.
(2) All except the areas stated in (1) above.
(3) All except East Ham C.B., West Ham C.B., Chingford M.B., Wanstead and Woodford M.B., Leyton M.B., Walthamstow M.B., Ilford M.B., Barking M.B., Dagenham M.B., Waltham Holy Cross U.D. and Chigwell U.D.
(4) All except Barnet U.D., Bushey U.D., Cheshunt U.D., East Barnet U.D. and Elstree R.D.
(5) All areas stated in (3) above.
(6) All areas stated in (4) above.
(7) Poole M.B. only.
(8) All areas except Poole M.B.

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8. Conurbations

The conurbation areas each consist of an aggregation of entire local authority areas and are constituted as follows:

Tyneside

Durham (*part*)

Gateshead C.B.
South Shields C.B.
Felling U.D.
Hebburn U.D.
Jarrow M.B.
Wickham U.D.

Northumberland (*part*)

Newcastle upon Tyne C.B.
Tynemouth C.B.
Gosforth U.D.
Longbenton U.D.
Newburn U.D.
Wallsend M.B.
Whitley Bay M.B.

West Yorkshire

Yorkshire, West Riding (*part*)

Bradford C.B.
Dewsbury C.B.
Halifax C.B.
Huddersfield C.B.
Leeds C.B.
Wakefield C.B.
Aireborough U.D.
Baildon U.D.
Batley M.B.
Bingley U.D.
Brighouse M.B.
Colne Valley U.D.
Denby Dale U.D.
Denholme U.D.
Elland U.D.
Heckmondwike U.D.
Holmfirth U.D.
Horbury U.D.
Horsforth U.D.
Keighley M.B.
Kirkburton U.D.
Meltham U.D.
Mirfield U.D.
Morley M.B.
Ossett M.B.
Pudsey M.B.
Queensbury and Shelf U.D.
Ripponden U.D.
Rothwell U.D.
Shipley U.D.
Sowerby Bridge U.D.
Spenborough M.B.
Stanley U.D.

South East Lancashire

Cheshire (*part*)

Stockport C.B.
Alderley Edge U.D.
Altrincham M.B.
Bowdon U.D.
Bredbury and Romiley U.D.
Cheadle and Gatley U.D.
Dukinfield M.B.
Hale U.D.
Hazel Grove and Bramhall U.D.
Hyde M.B.
Marple U.D.
Sale M.B.
Stalybridge M.B.
Wilmslow U.D.

Disley R.D.

Lancashire (*part*)

Bolton C.B.
Bury C.B.
Manchester C.B.
Oldham C.B.
Rochdale C.B.
Salford C.B.
Ashton-under-Lyne M.B.
Audenshaw U.D.
Chadderton U.D.
Crompton U.D.
Denton U.D.
Droylsden U.D.
Eccles M.B.
Failsworth U.D.
Farnworth M.B.
Heyworth M.B.
Horwich U.D.
Irlam U.D.
Kearsley U.D.
Lees U.D.
Littleborough U.D.
Little Lever U.D.
Middleton M.B.
Milnrow U.D.
Mossley M.B.
Prestwich M.B.
Radcliffe M.B.
Royton U.D.
Stretford M.B.
Swinton and Pendlebury M.B.
Tottington U.D.
Urmston U.D.
Wardle U.D.
Westhoughton U.D.
Whitefield U.D.
Whitworth U.D.
Worsley U.D.

Merseyside

Cheshire (*part*)

Birkenhead C.B.
Wallasey C.B.
Bebington M.B.
Ellesmere Port M.B.
Hoylake U.D.
Neston U.D.
Wirral U.D.

Lancashire (*part*)

Bootle C.B.
Liverpool C.B.
Crosby M.B.
Huyton-with-Roby U.D.
Litherland U.D.

West Midlands

Staffordshire (*part*)

Smethwick C.B.
Walsall C.B.
West Bromwich C.B.
Wolverhampton C.B.
Aldridge U.D.
Amblecote U.D.
Bilston M.B.
Brierley Hill U.D.
Coseley U.D.
Darlaston U.D.
Rowley Regis M.B.
Sedgley U.D.
Tettenhall U.D.
Tipton M.B.
Wednesbury M.B.
Wednesfield U.D.
Willenhall U.D.

Warwickshire (*part*)

Birmingham C.B.
Solihull M.B.
Sutton Coldfield M.B.

Worcestershire (*part*)

Dudley C.B.
Halesowen M.B.
Oldbury M.B.
Stourbridge M.B.

Greater London

London A.C.

Middlesex

Surrey (*part*)

Croydon C.B.
Banstead U.D.
Barnes M.B.
Beddington and Wallington M.B.
Carshalton U.D.
Coulsdon and Purley U.D.
Epsom and Ewell M.B.
Esher U.D.
Kingston-upon-Thames M.B.
Malden and Coombe M.B.
Merton and Morden U.D.
Mitcham M.B.
Richmond M.B.
Surbiton M.B.
Sutton and Cheam M.B.
Wimbledon M.B.

Kent (*part*)

Beckenham M.B.
Bexley M.B.
Bromley M.B.
Chislehurst and Sidcup U.D.
Crayford U.D.
Erith M.B.
Orpington U.D.
Penge U.D.

Hertfordshire (*part*)

Barnet U.D.
Bushey U.D.
Cheshunt U.D.
East Barnet U.D.
Elstree R.D.

Essex (*part*)

East Ham C.B.
West Ham C.B.
Barking M.B.
Chigwell U.D.
Chingford M.B.
Dagenham M.B.
Ilford M.B.
Leyton M.B.
Waltham Holy Cross U.D.
Walthamstow M.B.
Wanstead and Woodford M.B.

9. Urban and rural aggregates

Urban and rural aggregates relate to groups of local authority areas by type (all those within conurbations, urban areas, rural districts) and, in the case of urban areas, by size of their resident population as estimated at Census Day (23rd April 1961). " Urban areas " include boroughs and urban districts as defined under the Local Government Acts, and rural districts are also as defined by those Acts.

10. Assignment of vital statistics by area

In all tables births and stillbirths are classified according to the area of usual residence of the parents (or mother) and deaths to the area of usual residence of the deceased. Accommodation provided under Parts III and IV of the National Assistance Act, 1948, is regarded as the place of residence of persons dying there. Before 1st January 1958 chronic sick and psychiatric hospitals were similarly treated for this purpose but from that date the method of classification was modified, the main change being that a death in such a hospital is now assigned to the area of occurrence only if the deceased had been there six months or more. If the deceased had been there less than six months the death is transferred to the area of previous usual residence.

11. General

See also the Explanatory Notes to the Tables volumes, Parts I and II.

(89963) A* 4

CORRECTIONS

Statistical Review, 1961: Part III, Commentary

Page 50 Last paragraph, line 14

insert " the original marriages over "
before " the 1961 population "

Page 184 Table CXI; column 5

E910–E936, Other accidents
for 470 *read* 472

Rem. E910–E936, Remainder of other accidents
for 48 *read* 50

Page 332 Appendix A, Table 2(a)

Fertility rates—all marriage ages under 45

Calendar year of marriage 1958, duration 0
for ·320 *read* ·310

Calendar year of marriage 1959, duration 1
for ·270 *read* ·289

INTRODUCTION

This volume completes the presentation of the vital statistics for 1962 by commenting on the basic figures already published in Parts I and II of the Review for that year, and providing additional tables designed to illustrate trends and make comparisons. The Commentary aims to put the facts for the year into perspective and where possible to note pointers for the future, though it does not aim to cover all aspects of the vital statistics every year.

The years since 1955 have seen an unexpected rise in the number of births and this volume contains an analysis of the factors which may have contributed to this increase, and a discussion on the possible future course of fertility and family building. Another subject which has received special study is congenital malformations with particular reference to the geographical variations in infant mortality from this cause. There is further comment on causes of stillbirth which were featured in the corresponding volume for 1961.

The adoption of automatic data processing methods will lead to some changes in format and content, and the Review for 1963 will start a new series. The changes will be detailed in the volumes when they appear.

General Register Office,
Somerset House,
London, W.C.2.

July 1964.

POPULATION

It is estimated that at mid-1962 the home population of England and Wales was 46,709,000, the total population was 46,807,000 and the civilian population was 46,418,000. These figures (and those for mid-1961 given in Table I below) differ slightly from corresponding estimates published in Part II of the *Statistical Review*: they have been revised in the light of 1961 Census data on persons enumerated in England and Wales, by sex and quinquennial age-groups. The census data by single years of age and by marital condition will involve further changes in the sex-age and marital condition figures in Table A3 in Part II for 1961 and 1962 for stricter comparability with estimates thereafter. It is, however, possible to say now that any such amendments will be minor ones.

The first of the populations given above is a *de facto* and the second a *modified de facto* estimate, as defined in Explanatory Note 1 on page x; the third is the *home* population shorn of its non-civilian content, whether H.M. Forces or those of our Allies stationed here. The background to this triple estimation was treated at some length on pages 2 and 3 of the 1961 Commentary. It was shown there that the *total* population approximates sufficiently to the recommended " international conventional total " to be identifiable with it for purposes of international comparability. Each new estimate aims not only at assessing natural change by births and deaths since the previous count or estimate, but also the precise effect of the movement of persons away from our population and into it from elsewhere which would be shown if a census were taken on the date of the new estimate. For England and Wales this involves distinguishing between international requirements for estimate purposes and the quite separate (but in no way conflicting) international recommendation to distinguish in migration studies between " long-term migrants " (i.e. those intending to move for more than a year) and others. Each census here is taken on a date carefully chosen to avoid registering a purely seasonal variation in the number of persons in this country. For various reasons June 30th is the date chosen for intercensal estimates. Care is taken to treat this date notionally and to ignore entirely any consequences of the holiday season or, for example, of the annual temporary influx of summer workers from the Irish Republic.

Population growth

The use of revised totals for 1961 and 1962 is due to incorporating more detailed results from the 1961 Census information. Strictly speaking the final census result means that the 1951–61 intercensal gain from migration was—trivially—even larger than had been estimated and that the figures in Table III below for total net migration 1951–61 ought to add up to an additional 40,000. In the light of this information it might be thought worth while to amend the minute balances of the middle 1950's in the interest of tidiness; but as there is no factual evidence to support any change the estimates have been left untouched.

Table I. Estimated population mid-1951 to mid-1962, England and Wales

(*Figures in thousands*)

	Total			Home			Civilian		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1951	44,007	21,233	22,774	43,815	21,044	22,771	43,284	20,530	22,754
1952	44,166	21,320	22,846	43,955	21,110	22,845	43,402	20,576	22,826
1953	44,301	21,397	22,904	44,109	21,206	22,903	43,541	20,658	22,883
1954	44,480	21,492	22,988	44,274	21,288	22,986	43,742	20,774	22,968
1955	44,623	21,569	23,054	44,441	21,389	23,052	43,916	20,879	23,037
1956	44,821	21,669	23,152	44,667	21,517	23,150	44,151	21,013	23,138
1957	45,043	21,782	23,261	44,907	21,648	23,259	44,425	21,177	23,248
1958	45,244	21,877	23,367	45,109	21,744	23,365	44,701	21,346	23,355
1959	45,504	22,002	23,502	45,386	21,885	23,501	45,007	21,517	23,490
1960	45,862	22,176	23,686	45,755	22,070	23,685	45,406	21,733	23,673
1961	46,308	22,455	23,853	46,205	22,353	23,852	45,891	22,051	23,840
1962	46,807	22,756	24,051	46,709	22,660	24,049	46,418	22,382	24,036

The events of 1962 confirmed in full the deductions set out, from the evidence on population change in general and on births, deaths and migration in particular, on pages 3–8 and 11–15 of the 1961 Commentary. Tables II and III below bring the relevant series up to 1962.

Natural increase

Up to 1957–58 the *home* population had increased at an average of 200,000 a year for a period of about forty-five years. Since then the increase in births and net immigration have carried the increase up to 411,000 in 1960–61 and 504,000 in 1961–62. Natural increase, however, remained more important than the net inward balance of migration: the rise in births since 1955 is examined in detail in the separate chapter on births. Deaths, which had averaged 512,000 per annum during the nine years 1951–60, amounted to 556,000 in 1961–62 and in the four years following mid-1960 averaged about 550,000.

Table II. Natural increase of the population mid-1951 to mid-1962, England and Wales

Year ended 30th June	Births			Deaths			Natural increase		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1952	669,195	343,708	325,487	484,136	250,310	233,826	185,059	93,398	91,661
1953	679,757	349,569	330,188	521,161	269,141	252,020	158,596	80,428	78,168
1954	680,794	349,788	331,006	487,860	252,565	235,295	192,934	97,223	95,711
1955	665,190	342,175	323,015	524,446	269,795	254,651	140,744	72,380	68,364
1956	687,214	354,082	333,132	516,340	266,001	250,339	170,874	88,081	82,793
1957	709,658	364,569	345,089	483,659	248,948	234,711	225,999	115,621	110,378
1958	732,751	377,142	355,609	549,955	284,054	265,901	182,796	93,088	89,708
1959	749,059	385,391	363,668	536,131	274,680	261,451	212,928	110,711	102,217
1960	759,184	390,907	368,277	503,974	257,668	246,306	255,210	133,239	121,971
1961	797,863	411,150	386,713	555,130	283,408	271,722	242,733	127,742	114,991
1962	830,939	427,546	403,393	556,406	282,565	273,841	274,533	144,981	129,552

The year ending at mid-1962 proved to be the climax of the recently accelerating increases in net population gain by migration. The net inward balance of migration amounted to 225,000, a figure greater than seven of the eleven annual natural increments listed in Table II. The net arrivals of immigrants into our population in these twelve months (new immigrants coming in *minus* former immigrants leaving again) probably amounted to well over 300,000. On 1st July 1962 the Commonwealth Immigrants Act came into operation, enabling control of the flow of overseas Commonwealth citizens into the United Kingdom. In fact the unrestricted right of entry at will had recently developed into a potential problem only in England and Wales: few of the immigrants went to Scotland and Northern Ireland and both countries continued throughout as net exporters of population. The population of England and Wales, however, grew in the short space of four years ending in June 1962 by some 540,000 by migration in addition to the full natural increase of nearly a million persons. As emigration of native-born citizens of England and Wales probably persisted throughout in marked excess over the return of former emigrants (though at substantially lower levels than in earlier post-war years), the net arrivals, and therefore the increase in the number of immigrants in our population, in these four years is likely to have approached a million.

Migration

Table III. Migration, mid-1951 to mid-1962, to and from England and Wales

(*Figures in thousands*)

Year ended 30th June	Net overseas migration			Net migration within United Kingdom			Total net migration		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1952	− 45*	− 17	− 28	+ 19	+ 11	+ 8	− 26	− 6	− 20
1953	− 42	− 15	− 27	+ 18	+ 11	+ 7	− 24	− 4	− 20
1954	− 30	− 11	− 19	+ 13	+ 8	+ 5	− 17	− 3	− 14
1955	− 15	− 6	− 9	+ 20	+ 12	+ 8	+ 5	+ 6	− 1
1956	—	− 2	+ 2	+ 25	+ 13	+ 12	+ 25	+ 11	+ 14
1957	− 20	− 13	− 7	+ 20	+ 12	+ 8	—	− 1	+ 1
1958	− 5	− 11	+ 6	+ 19	+ 11	+ 8	+ 14	—	+ 14
1959	+ 30	+ 4	+ 26	+ 18	+ 11	+ 7	+ 48	+ 15	+ 33
1960	+ 84	+ 30	+ 54	+ 24	+ 14	+ 10	+108	+ 44	+ 64
1961	+129	+124	+ 5	+ 29	+ 17	+ 12	+158	+141	+ 17
1962	+195	+139	+ 56	+ 30	+ 18	+ 12	+225	+157	+ 68

* Including Allied Forces discharged between mid-1951 and mid-1952.

Table III adds the 1961–62 figure to the series of migration factors in our population change. The normal practice, having checked the mid-1961 starting figures with the final Census count, would be to begin a new series. But the period between April 1961 and June 1962 is an integral part of the changeover to net inward movement, at first hesitant and then gathering momentum until the record net intake of overseas Commonwealth citizens in 1961–62 and it is therefore well worth while to present a continuous series up to the middle of 1962. In any case the apparent shortfall of 40,000 in the sum of the estimated

migration balances in the years between the censuses is small enough to mean that the story told by the run of figures in the first column of Table I can be accepted confidently.

The total error for the ten years cannot be attributed to any year or years or even to any sub-group or groups of migrants: in this context it is worth remembering that the gross movements in the ten years total some three million on either side of the account.

Changes in population structure

Some short comments on the structure of the population according to sex, age and marital condition were made on pages 8–10 of Part III of the *Registrar General's Statistical Review of England and Wales* for the year 1961. The following table corresponds to that given on page 10 of that volume. Further comment will not be published until the full detailed results of the 1961 Census have been incorporated in the figures.

Table IV. Proportion married per 1,000 in each age-group, 1931, 1951 and 1962, England and Wales

Age	Males			Females		
	1931 (census)	1951 (census)	1962 (estimate)	1931 (census)	1951 (census)	1962 (estimate)
15–24	70	125	151	140	272	309
25–34	640	720	773	658	798	876
35–44	855	862	875	752	820	882
45–54	847	877	884	720	759	810
55–64	795	850	861	619	624	670
65 and over ..	619	664	703	341	352	343

Future prospects

The future growth of population is fundamentally important for so many aspects of central and of local government policy that the official projections made by the Government Actuary are reconsidered every year. The projection published in Part II was made early in 1963; a very slightly revised projection was made early in 1964 and published in the *Registrar General's Quarterly Return* for the fourth quarter of 1963. That is the latest official projection at the time of writing and is the one discussed here although it will be reconsidered early in 1965. The projection is summarised in the following statement:

(*thousands*)

Estimated population at mid-1963	Age-group	Projected total population at mid-year			
		1973	1983	1993	2003
10,670	Under 15	12,542	13,412	14,844	16,591
30,806	15–64	31,583	33,764	36,600	40,484
5,648	65 and over	6,698	7,353	7,728	7,726
47,124	**All ages .. .. ..**	**50,823**	**54,529**	**59,172**	**64,801**

It is possible to accept the forecasts of the population aged 15–64 in the next twenty years with considerable confidence. In the first place nearly all the people in that age-group are already born so that the uncertainties of forecasting the numbers of births are scarcely relevant. Secondly, death rates from infancy up to age 65 are already so low that reductions substantially in excess of those already allowed for in the forecast are most unlikely. Only if in the next few years there were some outstanding advance in the treatment and care or prevention of the diseases which cause death in middle age (notably cancer and heart disease) could the forecast populations of 1983 be significantly affected. At present that seems unlikely, as does any substantial increase in death rates. Thirdly, it would require large errors in the assumptions about future migration to affect the forecast seriously.

The forecast is that the population aged 15–64 will rise only slowly for the next few years ($2\frac{1}{2}$ per cent between 1963 and 1973) but after that more rapidly (about 7 per cent between 1973 and 1983) as the children born in the period of rising births after 1955 begin to pass their fifteenth birthdays.

The forecast of the numbers of people over 65 depends on the course of future death rates: some reduction is already allowed for but any notable advance in the treatment and care of the diseases of old age would have significant effects on the forecast populations over 65. Subject to that uncertainty the numbers of old people are expected to increase quite rapidly at first ($18\frac{1}{2}$ per cent between 1963 and 1973) but after that more slowly (10 per cent between 1973 and 1983).

The forecast of the numbers of children under 15 is most uncertain. It depends critically on the forecast numbers of births and all past experience goes to weaken confidence in those forecasts. The assumptions underlying the forecast of births are:

(i) age of women at marriage falling at a gradually declining rate;

(ii) for women married at any given age a modest increase in the size of their family when completed;

(iii) because younger brides tend to have larger families the consequence of (i) and (ii) is a slow rise in the average size of completed families for the whole population.

These factors reflect recent experience: they are discussed in the section of this Commentary dealing with the rise in births since 1955 (especially pages 54 to 63). Although the forecast is that they will continue to operate in the future it is perfectly possible that changes in social or cultural values could lead to a stop or even to a reversal of the trend to earlier marriages and that improved contraceptive techniques could lead to a large reduction in the family sizes of women who marry young. On the other hand further advances in the treatment of infertility could lead to further increase in average family sizes.

With all these uncertainties the forecast must be regarded with reserve. It is that the number of children under 15 will rise rapidly at first ($17\frac{1}{2}$ per cent between 1963 and 1973) and after that less rapidly (7 per cent between 1973 and 1983).

The population of all ages is forecast to grow by about $\frac{3}{4}$ of one per cent a year during the twenty years from 1963 to 1983.

The forecasts for the twenty years from 1983 to 2003 are even more uncertain. The population aged 15–64 may continue to increase as fast as between 1973 and 1983; the number of old people aged over 65 may remain almost unchanged; the number of children under 15 may continue to rise quite rapidly—though this can be no better than a best guess.

The doubts about the future numbers of young and old people affect the structure of the population implied by the forecasts and the following statement showing percentages in the different age-groups should also be treated with some reserve.

Age-group	1963	1973	1983	2003
Under 15	23	25	25	26
15–64	65	62	62	62
65 and over	12	13	13	12
All ages	**100**	**100**	**100**	**100**

The implication of the forecasts is that there will be some further increase in the proportion of the population in the dependent age-groups until 1973 but little more beyond that.

MARRIAGES

The marriage statistics were discussed in Part III of the *Registrar General's Statistical Review of England and Wales* for the year 1961. The following tables advance by one year the figures given in Tables VII to XIII and XX to XXIV on pages 20–44 of that volume. Marriage rates by age during the preceding 50 years are shown in the diagram. Further comment will be deferred until a later year.

The change since 1911 in the proportions married among all women of reproductive age (15–49) shown in Table XIV for selected years, is affected by the ageing of the population. In the following statement figures standardised on the 1911 proportion married are compared with the unstandardised figures derived from Table XIV.

Year	1911	1921	1931	1941	1951	1956	1960	1961	1962
Standardised	1·000	1·008	1·022	1·125	1·200	1·257	1·304	1·316	1·326
Unstandardised ..	1·000	1·025	1·054	1·201	1·327	1·388	1·413	1·416	1·406

Table V. Numbers of marriages and marriage rates, 1931 and 1938 to 1962, England and Wales

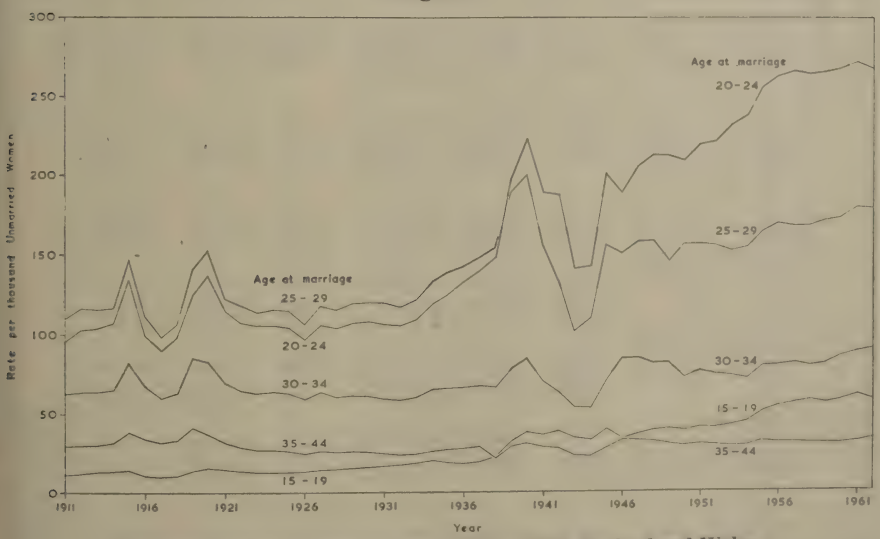
Period	Marriages	Marriage rates				
		Per 1,000 total population	Per 1,000 unmarried population			
			Men aged 15 and over	Women aged 15 and over	Men aged 20–44	Women aged 15–39
1931	311,847	15·6	53·4	41·6	106·4	68·6
1938	361,768	17·6	61·2	47·8	124·5	85·5
1939–50*	381,910	17·9	68·2	53·0	139·7	106·2
1951–55*	350,916	15·8	68·4	51·4	129·9	110·6
1956	352,944	15·7	70·9	53·0	138·9	120·7
1957	346,903	15·4	70·3	52·4	138·9	121·5
1958	339,913	15·0	69·0	51·5	137·7	120·2
1959	340,126	14·9	68·7	51·3	138·9	119·2
1960	343,614	15·0	68·9	51·6	141·5	119·9
1961	346,678	15·0	68·3	52·0	141·7	121·5
1962	347,732	14·9	66·3	51·2	140·2	117·0

* Annual averages.

Table VI. Proportional distribution of first marriages by age-group per 1,000 at all ages, and average age at marriage, 1931 and 1938 to 1962, England and Wales

Period	Age at marriage								Average age at marriage
	15–	20–	25–	30–	35–	45–	55 and over	Not stated	
				BACHELORS					
1931 ..	19	371	410	122	55	14	6	3	27·30
1938 ..	17	339	413	146	64	13	5	3	27·72
1939–50 ..	29	421	333	122	71	15	5	4	27·06
1951–55 ..	31	478	304	104	59	17	5	2	26·55
1956 ..	43	502	286	93	53	17	5	1	26·15
1957 ..	49	508	279	90	53	15	5	1	26·03
1958 ..	56	520	268	84	51	15	5	1	25·86
1959 ..	57	529	261	83	50	14	5	1	25·77
1960 ..	59	534	258	79	49	14	6	1	25·68
1961 ..	69	529	255	78	48	14	6	1	25·59
1962 ..	73	528	254	77	48	13	6	1	25·53
				SPINSTERS					
1931 ..	98	480	283	78	41	11	4	5	25·47
1938 ..	112	460	278	86	45	11	4	4	25·58
1939–50 ..	156	504	201	67	48	14	5	5	24·75
1951–55 ..	186	537	161	54	38	16	6	2	24·18
1956 ..	225	530	142	47	33	15	6	2	23·73
1957 ..	237	529	134	45	33	14	6	2	23·60
1958 ..	250	527	128	42	31	14	6	2	23·46
1959 ..	252	534	121	41	30	13	7	2	23·37
1960 ..	264	529	117	40	30	13	6	1	23·26
1961 ..	287	511	115	38	29	12	7	1	23·13
1962 ..	299	505	112	37	28	12	6	1	23·03

Diagram 1



Marriage rates* of women by age, 1911 to 1962, England and Wales

* 1911–37: all marriages per 1,000 spinsters, widows and divorced women.
1938–62: first marriages per 1,000 spinsters.

Table VII. First marriage rates by sex and age with ratios to those of 1938 taken as 100, 1931 and 1938 to 1962, England and Wales

The ratios were calculated using unrounded rates

Marriage rate per 1,000 population over 15	Marriage rates per 1,000 single population in each age-group							Period	Ratios of rates to those of 1938 taken as 100							
	15–	20–	25–	30–	35–	45–	55 and over		15–	20–	25–	30–	35–	45–	55 and over	All ages*
								BACHELORS								
56·0	3·3	72·3	152·2	111·5	49·8	16·4	5·4	1931	100	83	86	87	87	89	114	86
64·8	3·2	87·0	176·8	127·5	57·0	18·5	4·8	1938	100	100	100	100	100	100	100	100
71·2	6·4	112·1	175·6	128·3	61·2	20·8	5·1	1939–50	198	129	99	101	107	113	107	113
70·8	6·7	131·8	174·4	107·3	48·9	18·3	5·1	1951–55	205	152	99	84	86	99	106	117
73·6	11·0	153·1	187·4	105·7	44·7	16·5	4·8	1956–60	339	176	106	83	78	90	101	132
72·7	11·5	154·1	187·6	103·8	43·3	16·1	4·8	1959	354	177	106	81	76	87	100	133
72·8	11·7	157·8	190·9	104·0	43·4	16·0	4·8	1960	359	181	108	82	76	87	101	136
72·1	13·2	158·9	189·4	103·7	42·6	15·8	4·8	1961	405	183	107	81	75	86	100	137
69·5	12·8	157·5	187·6	98·7	42·8	15·6	4·7	1962	394	181	106	77	75	85	98	136
								SPINSTERS								
51·7	17·1	106·8	119·1	57·2	21·3	7·9	2·2	1931	76	72	77	85	83	92	108	76
61·4	22·6	147·9	154·0	67·2	25·7	8·6	2·0	1938	100	100	100	100	100	100	100	100
69·5	36·8	191·1	153·3	72·8	28·9	10·2	2·0	1939–50	163	129	100	108	112	119	100	123
71·9	43·9	231·9	157·2	75·1	29·4	10·4	2·1	1951–55	194	157	102	112	115	122	102	143
77·4	56·6	264·8	169·9	80·7	30·5	10·2	2·2	1956–60	251	179	110	120	119	119	107	169
77·1	56·5	265·4	171·2	81·1	30·3	9·9	2·3	1959	250	179	111	121	118	115	112	171
77·8	57·7	267·8	172·7	85·7	31·4	10·4	2·2	1960	256	181	112	128	122	122	108	175
78·8	60·8	271·7	179·4	88·7	32·2	10·5	2·3	1961	269	184	116	132	125	122	113	181
77·2	58·4	267·3	178·7	90·4	33·3	10·3	2·2	1962	259	181	116	135	130	120	109	180

* Age-standardised.

Table VIII. Remarriage rates by sex and age with ratios to those of 1938 taken as 100, 1931 and 1938 to 1962, England and Wales

The ratios were calculated using unrounded rates

Marriage rate per 1,000 population over 15	Remarriage rate per 1,000 widowed and divorced population in each age-group						Period	Ratios of rates to those of 1938 taken as 100						
	20–*	25–	30–	35–	45–	55 and over		20–*	25–	30–	35–	45–	55 and over	All ages†
WIDOWED AND DIVORCED MEN														
35·8	139·2	172·7	189·2	133·5	67·6	14·9	1931	91	99	76	87	85	94	88
38·1	153·6	174·5	248·0	152·6	79·1	15·9	1938	100	100	100	100	100	100	100
50·5	217·6	425·9	338·1	214·8	106·0	17·6	1939–50	142	244	136	141	134	111	133
55·4	253·0	355·8	339·4	210·7	116·1	19·7	1951–55	165	204	137	138	147	124	139
48·4	391·9	338·2	305·6	173·7	98·9	20·4	1956–60	255	194	123	114	125	128	126
47·5	503·2	349·2	305·2	169·5	94·9	20·8	1959	328	200	123	111	120	131	125
47·9	504·4	363·9	326·7	168·6	96·6	21·1	1960	328	209	132	110	122	133	128
48·0	464·1	373·6	349·9	177·7	92·6	21·2	1961	302	214	141	116	117	134	130
48·1	396·9	395·0	281·5	171·0	93·1	21·1	1962	258	226	114	112	118	133	126
WIDOWED AND DIVORCED WOMEN														
9·8	128·2	138·8	94·1	36·5	14·1	2·2	1931	65	81	82	73	96	89	82
10·2	197·1	172·4	114·2	50·1	14·7	2·5	1938	100	100	100	100	100	100	100
15·7	294·0	308·6	170·3	73·0	21·6	2·7	1939–50	149	179	149	146	146	109	145
16·1	374·7	323·0	190·6	85·0	29·2	3·0	1951–55	190	187	167	170	198	122	167
13·2	427·7	339·7	222·0	81·1	29·6	3·0	1956–60	217	197	194	162	200	123	168
12·7	453·5	326·1	235·6	79·9	29·9	3·0	1959	230	189	206	159	203	123	168
12·7	458·4	337·3	239·6	81·7	30·1	3·2	1960	233	196	210	163	204	128	172
12·7	400·0	347·4	255·4	81·3	30·9	3·2	1961	203	202	224	162	209	131	174
12·9	413·0	378·5	212·1	86·0	30·8	3·3	1962	210	220	186	172	209	133	176

* Based on small numbers.
† Age-standardised.

Table IX. Proportional age distribution per 1,000 at all ages and average age at remarriage of widowed persons, 1931 and 1938 to 1962, England and Wales

Period	Age at remarriage											Average age at remarriage
	Under 25	25–	30–	35–	40–	45–	50–	55–	60–	65 and over	Not stated	
WIDOWED MEN												
1931 ..	6	45	96	112	119	126	135	123	94	122	22	49·43
1938 ..	6	42	89	110	112	124	128	125	103	137	23	50·21
1939–50..	6	37	72	99	111	123	131	129	110	160	22	50·86
1951–55..	3	23	49	65	92	117	141	143	129	221	17	54·59
1956–60..	3	15	33	53	69	107	138	164	145	256	17	56·52
1959 ..	3	16	29	54	64	102	137	163	147	268	17	56·97
1960 ..	3	15	28	52	62	103	137	169	151	264	16	57·01
1961 ..	1	11	29	48	64	98	135	164	160	276	14	57·51
1962 ..	2	13	25	46	69	94	136	162	163	275	15	57·48
WIDOWED WOMEN												
1931 ..	14	76	135	168	153	144	114	70	52	57	17	44·48
1938 ..	19	71	115	150	148	142	119	86	59	72	19	45·58
1939–50..	50	124	133	128	125	126	102	76	58	61	17	43·19
1951–55..	13	52	101	117	132	142	138	105	87	98	15	48·09
1956–60..	14	37	61	97	118	151	146	125	112	123	15	50·45
1959 ..	15	37	58	94	109	151	149	124	116	131	16	50·86
1960 ..	17	37	52	87	109	153	147	128	125	132	13	51·08
1961 ..	12	32	51	83	108	155	149	127	128	143	12	51·65
1962 ..	13	34	52	75	112	149	151	131	129	142	12	51·64

Table X. Remarriage rates of widowed and divorced persons by sex and age, 1951 to 1962, England and Wales

Per 1,000 *population in each group by age and condition*

Men						Period	Women					
All ages	25–	30–	35–	45–	55 and over		All ages	25–	30–	35–	45–	55 and over
WIDOWED												
31	227	201	148	92	18	1951–55	8	188	118	55	23	3
29	217	187	137	83	19	1956	7	277	141	56	23	3
29	220	176	133	85	18	1957	7	278	156	54	23	3
28	217	156	129	81	18	1958	6	220	157	51	22	3
29	268	156	130	81	19	1959	7	235	195	53	23	3
29	257	170	131	84	19	1960	7	231	197	55	24	3
29	182	183	137	82	20	1961	7	180	209	56	25	3
28	207	162	133	83	19	1962	7	182	188	58	25	3
DIVORCED												
234	397	398	254	178	82	1951–55	137	383	241	135	67	20
191	343	358	212	150	71	1956	116	381	244	122	60	18
175	346	346	200	131	64	1957	107	361	238	117	58	17
161	364	336	187	119	59	1958	99	350	239	110	53	16
160	366	361	190	116	57	1959	97	351	249	111	54	16
158	385	384	188	116	57	1960	95	368	253	112	51	16
157	411	407	197	108	52	1961	94	405	269	109	51	15
151	433	310	189	107	51	1962	94	450	219	115	51	15

Table XI. Proportional age distribution per 1,000 at all ages and average age at remarriage of divorced persons, 1941 to 1962, England and Wales

Period	Age at remarriage											Average age at remarriage
	Under 25	25–	30–	35–	40–	45–	50–	55–	60–	65 and over	Not stated	
DIVORCED MEN												
1941–45..	11	78	196	247	202	135	73	35	15	7	1	40·34
1946–50..	12	150	242	236	168	102	51	23	10	5	1	38·16
1951–55..	11	117	223	206	181	129	75	34	15	9	0	39·70
1956–60..	15	118	194	199	161	140	92	49	20	12	0	40·58
1959 ..	14	114	192	206	154	137	96	51	23	12	1	40·79
1960 ..	16	119	187	198	151	139	98	54	23	14	1	40·84
1961 ..	18	126	195	193	156	128	94	52	24	14	0	40·52
1962 ..	17	132	197	184	161	122	96	52	25	14	0	40·50
DIVORCED WOMEN												
1941–45..	30	169	262	229	161	87	37	16	6	1	2	36·79
1946–50..	66	285	251	188	109	60	26	9	4	1	1	34·25
1951–55..	49	213	260	187	137	85	42	17	6	3	1	36·09
1956–60..	57	191	215	196	140	105	57	24	10	4	1	37·13
1959 ..	57	185	208	200	136	109	62	26	11	5	1	37·42
1960 ..	62	191	201	193	139	108	60	28	11	6	1	37·33
1961 ..	69	193	204	180	137	107	61	30	11	7	1	37·23
1962 ..	72	207	194	174	145	100	60	29	13	5	1	37·09

Table XII. Proportions ever-married, according to the net nuptiality of 1951–55 and 1962, England and Wales

(*Per thousand*)

Men		Age-group	Women	
Nuptiality of			Nuptiality of	
1951–55	1962		1951–55	1962
6	11	15–19	49	63
251	301	20–24	528	593
685	750	25–29	838	888
844	878	30–34	909	941
897	916	35–39	931	956
920	933	40–44	940	962
930	939	45–49	945	966

Table XIII. Proportions ever-married among men and women, selected years 1881 to 1962, England and Wales

(Per thousand)

Men aged							Year	Women aged						
15–	20–	25–	30–	35–	40–	45–49		15–	20–	25–	30–	35–	40–	45–49
5	223	609	769	848	878	901	1881	26	335	649	777	834	861	877
4	194	573	753	838	871	896	1891	20	299	606	754	823	850	871
3	174	548	748	824	861	886	1901	16	274	588	745	801	831	858
2	143	508	728	814	852	873	1911	12	243	566	730	790	820	835
4	178	554	769	837	863	876	1921	18	274	590	740	796	821	832
3	139	529	782	863	887	890	1931	18	258	594	751	794	819	832
9	203	617	803	864	888	906	1941	39	402	719	783	801	827	831
9	199	612	798	864	881	891	1946	35	442	713	829	832	836	840
5	229	647	810	867	892	902	1951	42	477	782	855	869	860	848
8	266	681	833	873	896	912	1956	55	539	820	883	889	893	869
10	311	715	845	882	893	910	1961	65	591	857	909	911	912	896
11	316	718	841	888	894	908	1962	68	595	861	913	915	915	902

Table XIV. Married women per 1,000 total female population in each age-group and ratio of proportion to that of 1911 taken as 100, selected years 1911 to 1962, England and Wales

Year	Age-group							Aggregates	
	15–19	20–24	25–29	30–34	35–39	40–44	45–49	20–39	15–49
	Married women per 1,000 total female population								
1911	12	242	558	711	752	755	729	552	502
1931	18	257	587	733	755	749	733	572	529
1938	23	328	643	733	771	768	736	623	566
1946	35	436	696	800	797	784	762	686	626
1951	42	475	769	828	832	812	780	731	666
1956	55	537	812	866	857	845	804	775	697
1959	61	567	829	886	871	862	821	794	707
1960	61	577	843	892	874	868	827	800	710
1961	65	589	849	897	886	868	832	808	711
1962	68	592	853	899	891	872	837	810	706
	Ratio of proportion to that of 1911 taken as 100 (*calculated before rounding off the proportions*)								
1911	100	100	100	100	100	100	100	100	100
1931	151	106	105	103	100	99	101	104	105
1938	192	136	115	103	103	102	101	113	113
1946	294	180	125	113	106	104	105	124	125
1951	354	197	138	116	111	108	107	132	133
1956	459	222	145	122	114	112	110	140	139
1959	513	235	150	125	116	114	113	144	141
1960	513	239	151	126	116	115	113	145	141
1961	547	244	152	126	118	115	114	146	142
1962	566	245	153	126	119	116	115	147	141

Table XV. Quarterly incidence of marriage, 1841 to 1962, England and Wales

Period	Proportion of marriages in quarter ended			
	March	June	September	December
1841–1850	205	255	239	301
1851–1860	206	252	242	300
1861–1870	205	252	246	297
1871–1880	204	253	245	298
1881–1890	197	257	250	296
1891–1900	184	265	266	285
1901–1910	182	265	280	273
1911–1920	186	263	280	271
1921–1930	170	266	303	261
1931–1935	162	260	317	261
1936–1940	166	253	321	260
1941–1945	212	268	276	244
1946–1950	218	250	303	229
1951–1955	289	206	303	202
1956–1960	296	196	300	208
1958	302	195	299	204
1959	298	186	302	214
1960	259	212	301	228
1961	243	220	324	213
1962	290	181	310	219

Table XVI. Monthly incidence of marriage, 1947 to 1962, England and Wales

Period	January	February	March	April	May	June	July	August	September	October	November	December	Total for period
						Numbers of marriages							
1947–1950	79,800	86,917	172,641	137,984	88,828	151,447	162,258	146,750	162,808	105,026	82,372	154,801	1,531,632
1951–1955	77,794	106,484	322,146	127,251	85,085	149,785	173,716	172,504	185,313	114,109	81,472	158,920	1,754,579
1956–1960	71,511	100,764	337,942	111,513	75,702	149,797	147,023	174,825	196,561	136,132	84,203	137,527	1,723,500
1956	13,651	19,898	73,573*	21,113	15,529	32,179*	30,144	34,503	42,276*	21,158	15,947	32,973*	352,944
1957	13,894	19,954	76,244*	19,034	12,150	34,620*	28,458	38,192*	36,967	21,817	18,199*	27,374	346,903
1958	12,940	20,777	68,912*	21,229	17,434*	27,548	27,900	37,115*	36,683	24,005	19,048*	26,322	339,913
1959	15,430*	18,972	67,028	20,121	17,142*	26,018	27,390	35,601*	39,600	32,649*	15,548	24,627	340,126
1960	15,596*	21,163	52,185	30,016*	13,447	29,432	33,131*	29,414	41,035	36,503*	15,461	26,231*	343,614
1961	12,310	18,020	54,118	32,733*	16,623	26,813	31,282*	30,822	50,263*	31,897	15,899	25,898*	346,678
1962	12,345	18,568	70,012*	16,540	13,722	32,810*	26,148	29,722	51,807*	34,999	15,761	25,298*	347,732
						Ratio of daily average for the month to daily average for the year taken as 1,000							
1947–1950	614	734	1,328	1,097	683	1,204	1,248	1,129	1,294	808	655	1,191	1,000
1951–1955	522	786	2,163	883	571	1,039	1,166	1,158	1,286	766	565	1,067	1,000
1956–1960	489	753	2,310	789	518	1,058	1,005	1,196	1,389	933	595	940	1,000
1956	456	712	2,462*	730	520	1,113*	1,008	1,155	1,462*	709	552	1,104*	1,000
1957	472	750	2,588*	668	412	1,214*	966	1,296*	1,297	741	638*	929	1,000
1958	448	797	2,387*	760	604*	986	966	1,286*	1,313	832	682*	912	1,000
1959	534*	727	2,320	720	593*	931	948	1,232*	1,416	1,130*	556	852	1,000
1960	536*	777	1,793	1,066*	462	1,045	1,138*	1,011	1,457	1,254*	549	901*	1,000
1961	418	678	1,838	1,149*	565	941	1,062*	1,047	1,764*	1,083	558	880*	1,000
1962	418	696	2,371*	579	465	1,148*	885	1,006	1,813*	1,185	551	857*	1,000

* These months contained five Saturdays.

Manner of solemnization of marriage

The Marriage Act of 1949 specifies that all marriages in England and Wales, whether taking place according to the rites of any denomination, or in a register office, have to be officially registered. The person in charge of registration of any particular marriage will be either a clergyman of the Church of England or the Church in Wales, a registering officer of the Society of Friends, the secretary of a synagogue, an authorised person* of any other denomination, or a registrar, depending on the circumstances of the marriage. Certified copies of all entries in the marriage register books kept by these persons are delivered each quarter to the superintendent registrar of the district, who sends them to the Registrar General to be kept at the General Register Office. These certified copies provide the data upon which the following commentary is based.

The marriages of 1962 are analysed according to the manner of solemnization in Appendix B of Part II of the *Statistical Review*. Table 7, part of which is reprinted below in Table XVII, gives comparative figures at five-yearly intervals from 1844 to 1934 and from 1952 to 1962. A similar analysis was last made in 1957.

Table XVII. Marriages by manner of solemnization, 1844 to 1962, England and Wales

Year	Civil marriages per 1,000 total marriages	Marriages according to rites of denominations shown per 1,000 marriages with religious ceremonies							
		Church of England and Church in Wales	Roman Catholic	Other denominations					Jews
				All	Methodists	Congregationalists	Baptists	Others	
1844 ..	26	932	18	49	—	—	—	—	1
1864 ..	81	851	52	95	—	—	—	—	2
1884 ..	131	813	50	134	—	—	—	—	3
1904 ..	179	782	49	160	—	—	—	—	9
1919 ..	231	776	67	150	73	31	25	21	7
1924 ..	238	759	72	160	79	33	26	22	9
1929 ..	257	756	80	155	76	31	25	23	9
1934 ..	284	747	91	153	73	30	25	25	9
1952 ..	306	714	136	142	69	29	22	22	8
1957 ..	280	689	160	145	69	27	24	26	7
1962 ..	296	673	175	144	69	26	24	25	6

Of the 347,732 marriages registered in 1962, 103,102 (296 per thousand) were civil marriages and 244,630 had religious ceremonies. Since 1934 there are figures for only three years, which makes it difficult to be sure of any trend as the changes in the numbers and proportions of civil marriages have been relatively small. This contrasts with the pattern of earlier years which saw a steady rise in the proportion of civil marriages from 26 per thousand in 1844 to 284 per thousand in 1934, with a minor peak of 241 per thousand in 1914.

* Under the Marriage Act, 1949, a person appointed by the trustees or governing body of a registered building to be present at the solemnization of marriage in that building replaces the registrar. The trustees or governing body must certify the name and address of such an authorised person to the Registrar General and to the superintendent registrar of the district.

Table XVIII. Changes in the proportions of different types of marriages per 1,000 total marriages, 1844 to 1962, England and Wales

Year	Civil	Church of England and Church in Wales	Roman Catholics	Other denominations	Jews	Change in proportion				
						Civil	Church of England and Church in Wales	Roman Catholics	Other denominations	Jews
1844	26	907	17	48	1					
1869	95	763	41	99	2	+153	−265	+24	+83	+ 6
1904	179	642	41	131	7					
1934	284	535	65	110	7	+105	−107	+24	−21	0
1952	306	496	95	98	5	− 4	− 39	+50	− 6	− 2
1957	280	496	115	104	5					
1962	296	474	123	102	4	+ 16	− 22	+ 8	− 2	− 1

The proportion of marriages solemnized in the Church of England and the Church in Wales has continued to decline. Table XVIII, which shows the changes in the proportions of different types of marriage per thousand total marriages, indicates that this decline is not directly attributable to the popularity of civil marriages. Between 1952 and 1962 the numbers and proportions of civil marriages fluctuated a little with no clear trend, but the proportion of marriages in the Church of England and the Church in Wales continued to decline. The total number of marriages in the Church of England and the Church in Wales fell during this period, reaching the lowest level since 1909; at the same time, as is shown in the statement below, the numbers of all marriages with religious ceremonies changed very little.

Year	All marriages	With civil ceremonies	With religious ceremonies (excluding Jews)			
			All	Church of England and Church in Wales	Roman Catholics	Other denominations
1952	349,308	106,777	242,531	173,282	33,050	34,323
1957	346,903	97,084	249,819	172,010	39,960	36,136
1962	347,732	103,102	244,630	164,707	42,788	35,586

It must be emphasised that there are many reasons why the trends shown in Table 7 of Appendix B of Part II and summarised in Tables XVII and XVIII cannot be interpreted as precise indicators of the changing membership of the different denominations. For example, the figures of religious marriages include marriages in church of people who are not members of any congregation. On the other hand, marriages between two persons who are members of different denominations may take place in the church of neither party but in a register office.

Changes in the law may also affect the figures. The 1836 Marriage Act made it possible for certified places of worship of denominations other than the Church of England to be registered for the solemnization of marriage. The increase in the proportions of Free Church marriages in the nineteenth century from 48 per thousand in 1844 to 125 per thousand in 1899 may reflect, not only increasing membership of these churches, but also the spread of registration of existing places of worship as places where marriages might be solemnized.

Since the First World War the proportion of Free Church marriages has declined a little; on the other hand the proportion of Roman Catholic marriages, previously steady at about 40 per thousand total marriages, has been rising since the beginning of the century to reach 123 per thousand in 1962. The following statement shows the average annual percentage increase in the proportions of Roman Catholic marriages for different periods:

Calendar period	Average annual percentage increase in the proportions of Table XVII (*based on unrounded figures*)
1904–24	1·9
1924–29	2·2
1929–34	2·5
1934–52	2·3
1952–57	3·3
1957–62	1·8

Regional variations

Tables 1 and 2 of Appendix B of Part II show the regional incidence of manner of solemnization in 1962 by number and proportions. Since 1957, when this analysis was last undertaken, there has been some change in the area detail. The standard regions are now shown divided into conurbations and their remainders. Dorset, apart from Poole M.B., has been transferred from the Southern to the South Western Region. The county figures appearing in 1957 under Southampton now appear under Hampshire. Figures for Lincolnshire are now sub-divided into Parts of Holland, Parts of Kesteven and Parts of Lindsey; those for Suffolk into Suffolk East and Suffolk West and those for Sussex into Sussex East and Sussex West. These changes should be kept in mind when comparing figures for 1962 with those for previous years.

In 1962 the proportion of civil marriages varied regionally from 353 per thousand total marriages in the London and South Eastern Region to 249 per thousand in the North Western Region and by counties from 150 per thousand in Radnorshire to 414 per thousand in the County of London. An increase in the proportions of civil marriages since 1957 was experienced in all regions except Wales II (counties other than Breconshire, Carmarthenshire, Glamorgan and Monmouthshire) which showed a very slight decline. The proportions of civil marriages in 1952, 1957 and 1962 show marked fluctuations in some counties, especially Rutland, but this is of no real significance, the proportions in these areas being calculated on very small absolute numbers of marriages.

The proportion of marriages in the Church of England and the Church in Wales per thousand marriages with religious ceremonies averaged 673 for the whole country, the counties ranging from 872 in Lincolnshire (Parts of Holland) to 360 in Merionethshire. Regional figures varied from 547 for Wales to over 750 in the Southern, South Western, Eastern and North Midland Regions.

The Roman Catholic proportion, 175 per thousand for the country as a whole, was highest in the North Western Region at 286 per thousand and lowest in the North Midland and South Western Regions where it was 92 and 90 per thousand. Of the counties, London had 331 per thousand and Lancashire 313 per thousand; at the other end of the scale Radnorshire and Montgomeryshire had 27 and 24 per thousand respectively.

The region with the highest proportion of marriages in the Methodist Church per thousand marriages with religious ceremonies was the Northern Region, 115 per thousand, but among individual counties the proportion was highest in Cornwall with 290 per thousand. The average for the country as a whole was 69 per thousand. Wales had the highest proportion of Congregationalist, Baptist, Presbyterian and Calvinistic Methodist marriages. The last-named group are almost entirely concentrated in Wales and constituted 273 per thousand marriages with religious ceremonies in Merionethshire and 260 per thousand in Caernarvonshire.

The proportion of Jewish marriages was highest in London Administrative County.

On the whole the national pattern for 1952 to 1962 of a continuing decline in the proportion of marriages in the Church of England and the Church in Wales and a rise in that of marriages in the Roman Catholic Church is repeated in the regions and the counties. The biggest change was in the London and South Eastern Region where the proportion of the Church of England fell by 12 per cent and that of the Roman Catholic Church rose by 50 per cent. In Wales II there was a rise in the proportions of both the Church in Wales and the Roman Catholic Church, of 9 per cent and 31 per cent respectively, and a decline of 26 per cent in the proportion of the Calvinistic Methodists.

The only counties in which there seems to have been a genuine increase in the proportion marrying in the Church of England and the Church in Wales and a decline in the proportion marrying in the Roman Catholic Church are Shropshire and Cornwall. In three other counties, Rutland, the Isle of Ely and Montgomeryshire the pattern was the same but the absolute numbers of marriages were so small (under 500 marriages with religious ceremonies in 1962 in each case) that changes in the proportions are not a reliable indication of a trend. Table XIX shows the percentage changes in the proportions of marriages in the Church of England and the Church in Wales and in the Roman Catholic Church for 1952 to 1962 for all those counties having over 5,000 marriages with religious ceremonies in 1962. These counties between them accounted for nearly 70 per cent of all such marriages in 1962.

Table XIX. Changes in the proportion of marriages in the Church of England and the Church in Wales and in the Roman Catholic Church, 1952 to 1962, England and Wales and selected counties (see text)

Area	Number of marriages with religious ceremonies (all denominations) in 1962	Church of England and Church in Wales				Roman Catholics			
		Marriages per 1,000 marriages with religious ceremonies				Marriages per 1,000 marriages with religious ceremonies			
		1952	1957	1962	Percentage change in proportions 1952–62	1952	1957	1962	Percentage change in proportions 1952–62
ENGLAND AND WALES ..	**244,630**	**714**	**689**	**673**	**— 6**	**136**	**160**	**175**	**+ 29**
Cheshire	7,380	679	650	642	— 5	149	169	186	+ 25
Durham	8,302	683	659	651	— 5	170	194	190	+ 12
Essex	11,267	801	773	740	— 8	91	111	136	+ 49
Gloucestershire	5,381	778	757	752	— 3	87	97	109	+ 25
Hampshire	6,543	800	778	772	— 3	95	102	116	+ 22
Kent	8,110	816	801	786	— 4	85	98	111	+ 31
Lancashire	28,742	591	565	550	— 7	258	291	313	+ 21
London A.C.	19,904	648	564	517	— 20	224	297	331	+ 48
Middlesex	11,805	716	660	608	— 15	138	183	228	+ 65
Staffordshire	10,038	761	749	737	— 3	116	120	121	+ 4
Surrey	8,350	784	739	706	— 10	121	146	180	+ 49
Warwickshire	11,716	721	680	666	— 8	188	209	214	+ 14
Yorkshire, West Riding ..	19,343	730	719	704	— 4	109	128	140	+ 28
Glamorgan	6,118	574	552	548	— 5	107	116	138	+ 29

Preliminaries to marriage

An analysis of the numbers of different types of marriage by type of preliminaries is presented in Table 3 of Appendix B of Part II. For marriages in the Church of England and the Church in Wales the alternatives are publication of banns, the issue of an ecclesiastical common or special licence, or the issue of a superintendent registrar's certificate. All other marriages must be preceded by the issue of a superintendent registrar's certificate with or without a licence. The advantage of a superintendent registrar's licence is that the preliminaries can be completed much more rapidly than with a certificate alone.

In the Church of England and the Church in Wales the great majority of marriages are preceded by the publication of banns; the proportion of such marriages in England and Wales has increased since 1952 from 91·4 per cent to 93·5 per cent. Regionally the lowest proportion of marriages after banns and the highest proportion preceded by ecclesiastical common licence is in Wales II with only 84·8 per cent after banns and 14·9 per cent after licence.

Table 4 of Appendix B of Part II gives the proportions of marriages of different types which were solemnized after licence.

For England and Wales as a whole the proportion of civil marriages by licence was 487 per thousand but in the Eastern, Southern and South Western Regions and in Wales, over one half of civil marriages were by licence. In the Church of England and the Church in Wales only 62 per thousand were by licence in England and Wales as a whole and for all other denominations the proportion was 120 per thousand. Wales II had a particularly large proportion of marriages by licence in both groups.

Marriages in registered buildings

Marriages in registered buildings (i.e. places of worship other than Church of England and Church in Wales which have been registered for marriages) can be registered either by an authorised person or by a registrar. Table 5 of Appendix B of Part II gives figures by denomination of marriages in registered buildings registered by a registrar and by an authorised person, and Table 6 shows, also by denomination, the proportion of marriages in registered buildings registered by an authorised person. The proportion of marriages taking place before an authorised person is dependent on the provision made by the governing bodies of registered buildings, which will vary between denominations and regions according to whether the denomination or its constituent churches has the necessary facilities to permit the appointment of an authorised person. For all denominations together the England and Wales proportion was 424 per thousand total marriages in registered buildings, but there was considerable variation between the different denominations. 899 per thousand marriages in the Methodist Church were registered by an authorised person with little regional variation. At the opposite extreme only 167 per thousand marriages in the Roman Catholic Church were registered by an authorised person and the regional figures varied from 831 per thousand in the Midland Region to 3 per thousand in the South Western Region.

Places of worship and buildings in which marriages may lawfully be solemnized

Table 8 of Appendix B of Part II gives the numbers of buildings certified as places of worship of different denominations in 1962. Certification does not apply to the churches and chapels of the Church of England and the Church in Wales so their buildings are excluded from this table.

Part (a) of Table 9 of Appendix B shows the numbers of buildings of different denominations in which marriages may lawfully be solemnized. Since marriages according to the usages of the Jews or of the Society of Friends do not have to be solemnized in a registered building their buildings are excluded from this table. The figures for the Church of England and Church in Wales include all parish churches, authorised chapels and chapels licensed by the Bishop for the publication of banns.

Taking Tables 8 and 9 together the proportion of certified places of worship which are registered as places where marriages may be solemnized is shown in the following statement: (Except in the Roman Catholic Church a certified place of worship has to be a separate building if it is to be registered for the solemnization of marriage.)

Roman Catholics	85
Methodists	76
Congregationalists	89
Baptists	88
Presbyterians	92
Calvinistic Methodists	87
Brethren	61
Salvation Army	53
Pentecostal and Holiness Churches	59
Unitarians	92
Spiritualists	26
Other Christian Bodies	43
Other Bodies	28

Part (b) of Table 9 in Appendix B shows the distribution of buildings where marriages may lawfully be solemnized for each denomination per thousand such buildings. In Table XX the distribution of these buildings is compared with the distribution of marriages of different denominations as shown in Table 2 of Appendix B. In the Church of England and the Church in Wales the share of buildings in any area is smaller than the share of marriages. This is also true for the Roman Catholic Church, but for all other denominations their share of marriages in any area is usually smaller than their share of buildings. The notable exception is the Presbyterian Church, particularly in Wales where, with only 3·8 per thousand buildings, it has 24 per thousand marriages.

Table XX. Proportions of marriages with religious ceremonies and proportions of buildings in which marriages may lawfully be solemnized, for selected denominations, 1962, England and Wales and standard regions

Area	Church of England and Church in Wales		Roman Catholics		Methodists		Congregationalists		Baptists		Presbyterians		Calvinistic Methodists	
	Marriages	Buildings	Marriages	Buildings	Marriages	Buildings	Marriages	Buildings	Marriages	Buildings	Marriages	Buildings	Marriages	Buildings
ENGLAND AND WALES ..	**673**	**405**	**175**	**64**	**69**	**228**	**26**	**81**	**24**	**81**	**8·1**	**9·4**	**2·8**	**31**
Standard regions:														
Northern	654	378	184	89	115	353	8·3	32	6·6	24	22	40	—	2·4
East and West Ridings ..	714	329	133	72	99	383	21	69	11	45	3·8	4·9	0·4	0·3
North Western	569	282	286	127	73	281	28	85	10	51	9·3	19	0·3	13
North Midland	758	471	92	36	84	301	22	45	24	69	5·4	1·5	—	0·2
Midland	722	449	154	66	66	257	17	56	21	57	3·4	5·9	0·3	3·3
Eastern	754	539	114	38	54	169	31	72	30	94	3·4	2·9	—	—
London and South Eastern ..	644	420	222	91	43	115	23	81	26	112	8·0	16	0·2	3·1
Southern	753	498	136	63	50	178	26	74	21	84	3·3	6·6	—	0·4
South Western	753	471	90	40	89	263	25	73	27	64	3·3	1·9	—	0·6
Wales	547	263	110	31	64	103	93	175	100	152	24	3·8	46	211
Wales I (South East) ..	548	241	123	35	55	92	97	187	115	190	21	3·4	19	153
Wales II (remainder) ..	542	288	77	27	88	116	82	162	61	108	32	4·2	114	277

DIVORCES

The divorce statistics were discussed in Part III of the *Registrar General's Statistical Review of England and Wales* for the year 1961. The following Tables XXI to XXVI advance by one year the figures given in Tables XXV to XXX on pages 45 to 54 of that volume, and in the case of Table XXVI extends the information by giving the separate figures for different ages. Further comment will be deferred until a later year.

The number of marriages which would, at certain durations, have been dissolved out of a thousand marriages contracted if the age rates in Table P4 (*Statistical Review, Part II, 1962*) were to be maintained indefinitely, ignoring the effect of mortality, were:

Age of wife at marriage	Duration in years			
	5	10	15	20
Under 20	15	63	96	119
20–24	8	31	48	62
25–29	6	22	36	46
30–34	6	24	39	—
35–39	6	22	—	—

The rates in Table XXV are based on the original number of marriages and are therefore lower than the rates based on the true population (i.e., the number of men or women still married). For previously single wives married at ages under 35 since 1935 the percentage excess of the original marriages over the 1962 populations, and hence the percentage deficiencies of the rates, were:

Calendar year of marriage	Age at marriage			
	Under 20	20–24	25–29	30–34
1955–58	−1·5	0·1	0·2	0·6
1950–54	3·2	4·1	3·9	5·3
1945–49	15·1	9·9	8·9	*
1940–44	27·6	23·4	*	*
1935–39	28·8	*	*	*

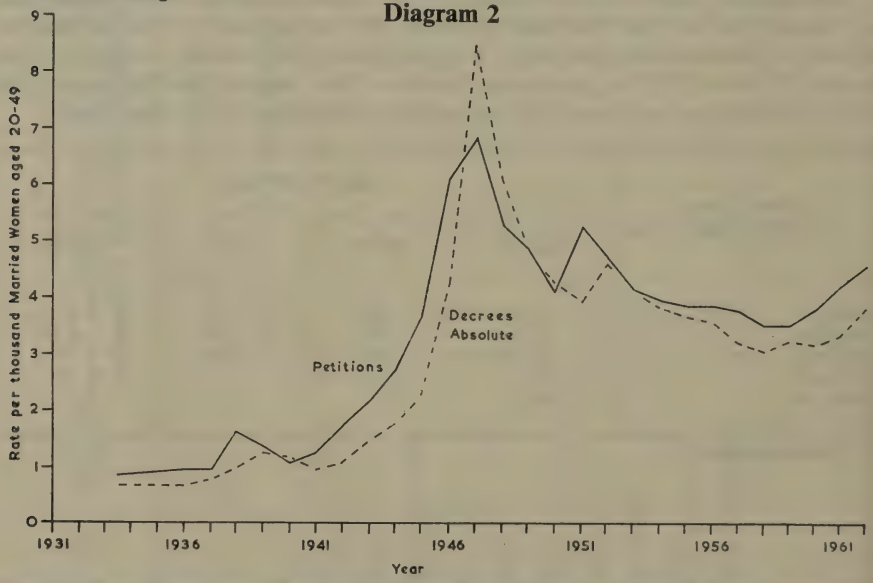
* Not available

Table XXI. Dissolutions and annulments of marriage: new petitions filed and decrees made absolute, 1931 to 1962, England and Wales

Year	Petitions filed		Decrees absolute granted	
	Number	Per 1,000 married women aged 20–49	Number	Per 1,000 married women aged 20–49
1931–35* ..	4,784	0·80	4,011	0·67
1936	5,749	0·92	4,057	0·65
1937	5,903	0·93	4,886	0·77
1938	10,233	1·59	6,250	0·97
1939	8,703	1·33	7,955	1·22
1940	7,086	1·05	7,755	1·15
1941	8,305	1·21	6,368	0·93
1942	12,003	1·72	7,618	1·09
1943	15,385	2·19	10,012	1·43
1944	18,969	2·70	12,312	1·75
1945	25,711	3·65	15,634	2·22
1946	43,163	6·09	29,829	4·21
1947	48,501	6·81	60,254	8·47
1948	37,919	5·28	43,698	6·08
1949	35,191	4·87	34,856	4·82
1950	29,729	4·09	30,870	4·24
1951	38,382	5·23	28,767	3·92
1952	34,567	4·69	33,922	4·60
1953	30,542	4·14	30,326	4·11
1954	29,036	3·93	28,027	3·79
1955	28,314	3·83	26,816	3·62
1956	28,426	3·83	26,265	3·54
1957	27,858	3·74	23,785	3·19
1958	26,239	3·52	22,654	3·04
1959	26,327	3·52	24,286	3·25
1960	28,542	3·80	23,868	3·18
1961	31,905	4·25	25,394	3·38
1962	34,625	4·59	28,935	3·84

* Annual average

Diagram 2



Dissolutions and annulments of marriage: new petitions filed and decrees made absolute per 1,000 married women aged 20–49, 1931 to 1962, England and Wales

Table XXII. Grounds on which decrees absolute of dissolution were granted by party and age, 1962, England and Wales

Age at date of decree absolute	Party to whom granted	Ground						
		Adultery	Desertion	Cruelty	Unsound mind	Presumed dead	Others	Total
		(i) Numbers						
All ages ..	**Husband** ..	**8,162**	**4,754**	**254**	**87**	**16**	—	**13,273**
	Wife ..	**7,490**	**5,189**	**4,397**	**53**	**24**	**35**	**17,188**
Under 20 ..	Husband ..	—	—	—	—	—	—	—
	Wife ..	2	—	8	—	—	—	10
20–24 ..	Husband ..	299	57	4	—	—	—	360
	Wife ..	607	224	626	1	—	6	1,464
25–29 ..	Husband ..	1,507	563	14	—	—	—	2,084
	Wife ..	1,564	819	972	1	—	8	3,364
30–34 ..	Husband ..	1,844	892	28	5	—	—	2,769
	Wife ..	1,502	917	736	2	1	6	3,164
35–39 ..	Husband ..	1,468	737	46	7	—	—	2,258
	Wife ..	1,247	916	751	12	1	5	2,932
40–45 ..	Husband ..	1,208	751	56	16	1	—	2,032
	Wife ..	1,031	841	595	12	6	7	2,492
45–49 ..	Husband ..	874	548	47	16	—	—	1,485
	Wife ..	710	612	366	7	3	—	1,698
50–54 ..	Husband ..	542	526	25	6	2	—	1,101
	Wife ..	492	455	218	6	4	2	1,177
55–59 ..	Husband ..	268	348	17	14	3	—	650
	Wife ..	213	242	75	5	1	—	536
60 and over	Husband ..	152	332	17	23	10	—	534
	Wife ..	122	163	50	7	8	1	351
		(ii) Distribution per 1,000 of each ground, by party						
All ages ..	**Husband** ..	**521**	**478**	**55**	**621**	**400**	—	**436**
	Wife ..	**479**	**522**	**945**	**379**	**600**	**1,000**	**564**
Under 20 ..	Husband ..	—	—	—	—	—	—	—
	Wife ..	1,000	—	1,000	—	—	—	1,000
20–24 ..	Husband ..	330	203	6	—	—	—	197
	Wife ..	670	797	994	1,000	—	1,000	803
25–29 ..	Husband ..	491	407	14	—	—	—	383
	Wife ..	509	593	986	1,000	—	1,000	617
30–34 ..	Husband ..	551	493	37	714	—	—	467
	Wife ..	449	507	963	286	1,000	1,000	533
35–39 ..	Husband ..	541	446	58	368	—	—	435
	Wife ..	459	554	942	632	1,000	1,000	565
40–44 ..	Husband ..	540	472	86	571	143	—	449
	Wife ..	460	528	914	429	857	1,000	551
45–49 ..	Husband ..	552	472	114	696	—	—	467
	Wife ..	448	528	886	304	1,000	—	533
50–54 ..	Husband ..	524	536	103	500	333	—	483
	Wife ..	476	464	897	500	667	1,000	517
55–59 ..	Husband ..	557	590	185	737	750	—	548
	Wife ..	443	410	815	263	250	—	452
60 and over	Husband ..	555	671	254	767	556	—	603
	Wife ..	445	329	746	233	444	1,000	397

(89963)

Table XXII—*continued*

Age at date of decree absolute	Party to whom granted	Ground						
		Adultery	Desertion	Cruelty	Unsound mind	Presumed dead	Others	Total
		(iii) Distribution per 1,000 total grounds for each party, by ground						
All ages ..	Husband ..	615	358	19	7	1	—	1,000
	Wife ..	436	302	256	3	1	2	1,000
Under 20 ..	Husband ..	—	—	—	—	—	—	—
	Wife ..	200	—	800	—	—	—	1,000
20–24 ..	Husband ..	831	158	11	—	—	—	1,000
	Wife ..	415	153	427	1	—	4	1,000
25–29 ..	Husband ..	723	270	7	—	—	—	1,000
	Wife ..	465	244	289	0	—	2	1,000
30–34 ..	Husband ..	666	322	10	2	—	—	1,000
	Wife ..	474	290	233	1	0	2	1,000
35–39 ..	Husband ..	651	326	20	3	—	—	1,000
	Wife ..	426	312	256	4	0	2	1,000
40–44 ..	Husband ..	594	370	28	8	0	—	1,000
	Wife ..	414	337	239	5	2	3	1,000
45–49 ..	Husband ..	588	369	32	11	—	—	1,000
	Wife ..	418	360	216	4	2	—	1,000
50–54 ..	Husband ..	492	478	23	5	2	—	1,000
	Wife ..	418	387	185	5	3	2	1,000
55–59 ..	Husband ..	412	535	26	22	5	—	1,000
	Wife ..	397	452	140	9	2	—	1,000
60 and over	Husband ..	285	621	32	43	19	—	1,000
	Wife ..	348	464	142	20	23	3	1,000

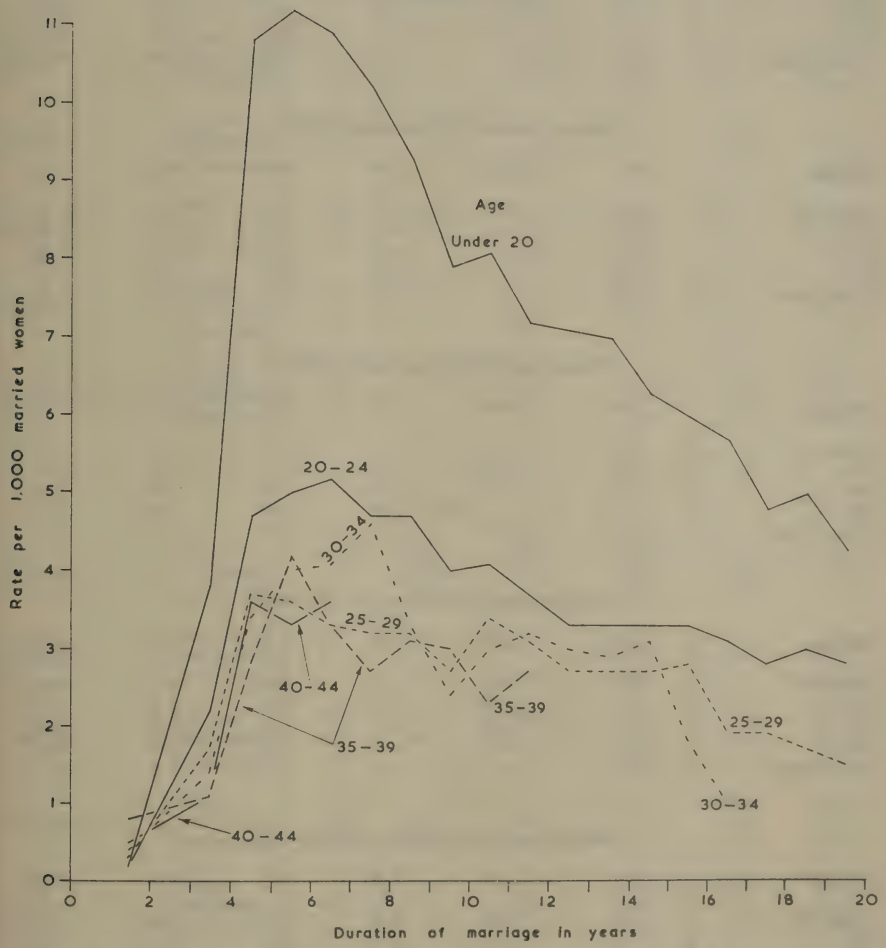
Table XXIII. Divorce rates per 1,000 married population by age at divorce, 1950 to 1962, England and Wales

Year	Age at date of decree absolute							
	All ages	Under 25	25–	30–	35–	40–	45–	50–	60 and over
				Husbands					
1950–54 ..	2·7	2·1	5·0	5·0	4·3	3·4	2·5	1·4	0·3
1955	2·4	2·0	4·2	4·4	3·7	3·0	2·3	1·3	0·3
1956	2·3	1·9	4·1	4·2	3·5	3·0	2·3	1·3	0·3
1957	2·1	1·1	3·6	3·7	3·3	2·6	2·2	1·3	0·3
1958	1·9	1·0	3·3	3·5	3·1	2·6	2·0	1·2	0·3
1959	2·1	1·1	3·6	3·9	3·2	2·9	2·1	1·3	0·3
1960	2·0	1·0	3·6	3·8	3·2	2·7	2·0	1·2	0·3
1961	2·1	1·4	3·9	4·1	3·4	2·8	2·1	1·3	0·3
1962	2·4	1·7	4·4	4·7	3·7	3·2	2·4	1·4	0·4
				Wives					
1950–54 ..	2·7	3·1	5·6	4·8	3·8	2·9	2·1	1·0	0·2
1955	2·3	3·0	4·6	4·2	3·2	2·6	2·0	0·9	0·2
1956	2·3	2·9	4·6	4·0	3·2	2·6	1·9	0·9	0·2
1957	2·0	2·0	4·1	3·6	2·9	2·3	1·8	0·9	0·2
1958	1·9	2·0	3·8	3·3	2·8	2·3	1·7	0·9	0·2
1959	2·1	2·1	4·1	3·7	2·9	2·5	1·8	1·0	0·2
1960	2·0	2·2	4·2	3·5	2·9	2·2	1·7	0·9	0·2
1961	2·1	2·4	4·5	3·8	3·0	2·4	1·8	1·0	0·2
1962	2·4	2·8	5·1	4·2	3·4	2·8	2·0	1·1	0·3

Table XXIV. Dissolutions and annulments of marriage made absolute, by duration of marriage and marriage age of wife. Rates per 1,000 married women, 1962, England and Wales

Age of wife at marriage	Duration of marriage (completed years)															
	0–2	3	4	5	6	7	8	9	10	11	12	13	14	15–19	20–24	25–29
Under 20	0·2	3·8	10·8	11·2	10·9	10·2	9·3	7·9	8·1	7·2	7·1	7·0	6·3	5·2	4·1	3·3
20– ..	0·2	2·2	4·7	5·0	5·2	4·7	4·7	4·0	4·1	3·7	3·3	3·3	3·3	3·0	2·2	
25– ..	0·3	1·7	3·7	3·6	3·3	3·2	3·2	2·7	3·4	3·1	2·7	2·7	2·7	2·0		
30– ..	*0·4*	1·4	3·4	4·0	4·1	4·6	3·3	2·4	3·0	3·2	3·0	2·9	3·1			
35– ..	0·8	*1·1*	2·8	4·2	3·3	2·7	3·1	3·0	2·3	2·7						
40–44 ..	*0·5*	*1·1*	3·6	3·3	3·6											

Diagram 3



Rates of dissolution and annulment of marriage by duration of marriage and marriage age of wife, 1962, England and Wales

Table XXV. Divorce rates per 1,000 related marriages by calendar year of marriage and the ages at marriage of both parties in combination, 1962, England and Wales

Age of wife at marriage	Age of husband at marriage					
	All ages	Under 20	20–	25–	30–	35 and over
Persons married in the years 1955–58						
All ages ..	**5·4**	**13·6**	**6·4**	**4·3**	**4·0**	**2·9**
Under 20 ..	10·2	14·6	9·6	8·8	8·4	16·4
20–	4·7	10·7	5·0	3·9	4·4	6·0
25–	3·4	*10·2*	4·1	3·1	3·3	3·7
30–	3·7	*33·9*	6·4	3·9	3·4	3·5
35 and over	2·4	—	*15·2*	*3·2*	3·6	2·2
Persons married in the years 1950–54						
All ages ..	**4·1**	**11·4**	**5·3**	**3·4**	**3·2**	**2·1**
Under 20 ..	8·2	12·1	8·0	6·4	8·4	12·7
20–	3·9	9·5	4·2	3·2	3·7	4·1
25–	2·9	*14·2*	4·5	2·5	2·6	3·0
30–	2·9	—	6·5	3·4	2·6	2·3
35 and over	1·8	—	*8·1*	5·5	2·6	1·5
Persons married in the years 1945–49						
All ages ..	**2·8**	**5·8**	**3·7**	**2·6**	**2·2**	**1·3**
Under 20 ..	5·4	6·0	5·3	5·3	6·7	*5·9*
20–	2·9	5·5	3·1	2·5	2·7	3·3
25–	2·3	*4·7*	3·3	2·0	1·9	2·1
30–	1·8	—	4·9	2·0	1·5	1·7
35 and over	0·9	*33·3*	*4·0*	3·6	1·6	0·7
Persons married in the years 1940–44						
All ages ..	**1·9**	**4·0**	**2·5**	**1·6**	**1·4**	**0·7**
Under 20 ..	3·5	4·4	3·3	3·4	5·2	*4·0*
20–	2·1	3·3	2·3	1·6	2·0	2·2
25–	1·3	*5·8*	2·1	1·2	1·0	1·1
30–	1·1	*7·9*	3·3	1·4	0·9	0·8
35 and over	0·4	—	*1·5*	*1·2*	1·1	0·3
Persons married in the years 1935–39						
All ages ..	**1·3**	**3·5**	**1·9**	**1·2**	**0·8**	**0·3**
Under 20 ..	3·2	3·8	3·0	3·3	3·4	*3·8*
20–	1·5	3·1	1·7	1·3	1·3	1·2
25–	0·8	*2·9*	1·5	0·7	0·5	0·6
30–	0·5	—	*1·5*	0·8	0·5	*0·2*
35 and over	0·1	—	*2·3*	*1·0*	*0·2*	*0·1*

Table XXVI. Divorce rates per 1,000 related marriages, by husband's or wife's age at and marital condition before the marriage and calendar year of marriage, 1962, England and Wales

Calendar year of marriage	Previous marital condition	Age at marriage					
		All ages	Under 20	20–	25–	30–	35 and over
Husbands							
1955–58 ..	Single	5·5	13·6	6·4	4·1	3·3	2·6
	Widowed	2·1	—	—	*7·0*	*3·9*	1·9
	Divorced	6·6	*200·0*	25·0	10·8	8·6	4·8
1950–54 ..	Single	4·3	11·4	5·3	3·3	2·9	1·9
	Widowed	1·5	—	*5·1*	*4·7*	3·7	1·3
	Divorced	4·3	—	*10·3*	6·9	5·1	3·4
1945–49 ..	Single	2·9	5·8	3·7	2·5	2·0	1·3
	Widowed	0·9	—	*4·7*	*3·7*	3·2	0·6
	Divorced	3·2	—	*5·3*	5·1	3·7	2·5
1940–44 ..	Single	2·0	4·0	2·5	1·6	1·3	0·7
	Widowed	0·6	*200·0*	*5·4*	*2·1*	2·2	0·4
	Divorced	2·2	—	*5·6*	*3·0*	4·0	1·6
1935–39 ..	Single	1·4	3·5	1·9	1·2	0·7	0·4
	Widowed	0·2	—	*1·4*	*0·9*	*0·9*	*0·0*
	Divorced	1·5	—	*14·5*	*5·7*	*1·8*	*0·8*
Before 1935	Single	0·8	2·4	1·2	0·6	0·3	0·1
	Widowed	0·1	—	*0·7*	*1·0*	*0·4*	*0·0*
	Divorced	*0·6*	—	*7·9*	*1·0*	*1·5*	*0·2*
Wives							
1955–58 ..	Single	5·5	10·2	4·7	3·0	2·6	1·6
	Widowed	2·5	*87·0*	*6·7*	*4·2*	*3·8*	2·2
	Divorced	6·3	*25·6*	14·3	8·2	7·4	4·1
1950–54 ..	Single	4·2	8·2	3·9	2·6	2·2	1·1
	Widowed	2·1	—	*5·2*	4·6	3·4	1·6
	Divorced	4·8	*32·3*	10·1	6·7	4·6	3·2
1945–49 ..	Single	2·9	5·4	2·9	2·0	1·3	0·7
	Widowed	1·4	—	3·5	2·5	2·0	0·8
	Divorced	3·8	—	7·3	4·8	4·2	2·0
1940–44 ..	Single	2·0	3·5	2·1	1·3	0·9	0·4
	Widowed	0·8	*21·7*	4·5	*1·9*	*1·5*	*0·3*
	Divorced	3·0	—	*8·3*	*4·2*	4·2	*1·4*
1935–39 ..	Single	1·3	3·2	1·5	0·8	0·5	*0·1*
	Widowed	*0·2*	—	*2·7*	*0·9*	*0·3*	*0·1*
	Divorced	1·5	—	*2·0*	*3·9*	*1·8*	*0·4*
Before 1935	Single	0·7	1·9	0·9	0·4	0·2	*0·0*
	Widowed	0·2	—	*2·5*	*0·6*	*0·3*	*0·1*
	Divorced	*0·3*	—	—	*0·5*	*0·5*	*0·1*

WIDOWHOOD

The widowhood statistics were discussed in Part III of the *Registrar General's Statistical Review of England and Wales* for the year 1961. The following Tables XXVII and XXVIII advance by one year the figures in Tables XXXI and XXXII on pages 55 and 56 of that volume. Further comment will be deferred until a later year.

Table XXVII. Percentage of deaths with marital condition not stated, 1960 to 1962, England and Wales

Men			Age at death	Women		
1960	1961	1962		1960	1961	1962
3·4	**1·2**	**1·0**	**15 and over**	**0·06**	**0·11**	**0·12**
11·8	5·5	3·3	15–	0·74	0·48	0·33
36·7	7·1	4·7	20–	0·93	1·2	0·28
27·8	5·4	2·9	25–	0·70	0·25	—
19·7	3·4	3·2	30–	0·16	0·15	0·15
13·5	2·7	2·2	35–	0·18	—	0·18
10·1	2·3	2·0	40–	0·19	0·088	0·029
6·5	1·8	1·3	45–	0·10	0·19	0·13
4·8	1·4	1·1	50–	0·046	0·19	0·15
3·8	1·0	1·0	55–	0·12	0·14	0·078
3·1	1·2	0·93	60–	0·055	0·14	0·18
2·4	1·1	0·75	65–	0·070	0·16	0·12
2·1	1·1	1·0	70–	0·037	0·14	0·16
2·1	1·1	1·0	75 and over	0·041	0·086	0·10

Table XXVIII. Widowhood rates, 1958 to 1962, England and Wales

1958	1959	1960	1961	1962	Age of surviving spouse	1958	1959	1960	1961	1962
Deaths of wives per 1,000 married men						Deaths of husbands per 1,000 married women				
6·7	**6·7**	**6·2**	**6·8**	**6·7**	**15 and over**	**14·1**	**14·0**	**12·9**	**14·2**	**14·4**
0·4	0·4	0·3	0·4	0·4	15–	0·8	0·8	0·6	0·7	0·7
0·6	0·6	0·5	0·5	0·5	25–	1·0	1·0	0·8	1·0	0·9
0·7	0·7	0·6	0·6	0·7	30–	1·5	1·5	1·3	1·4	1·4
1·2	1·1	1·2	1·1	1·1	35–	2·6	2·6	2·4	2·5	2·5
1·8	1·7	1·7	1·7	1·8	40–	4·6	4·5	4·2	4·3	4·4
2·8	2·7	2·7	2·8	2·7	45–	7·7	7·7	7·2	7·6	7·6
4·4	4·3	4·3	4·3	4·3	50–	13·0	13·0	12·3	12·7	12·9
7·1	7·2	6·8	7·0	6·7	55–	21·5	21·4	19·8	20·7	20·8
11·4	11·2	11·2	11·3	11·4	60–	33·1	32·3	31·4	33·1	33·6
18·3	18·2	17·6	18·0	17·3	65–	49·9	49·0	47·7	50·1	49·0
29·4	28·7	28·1	28·7	27·9	70–	72·0	70·9	66·7	69·7	71·9
57·3	56·5	56·4	60·0	58·4	75 and over	110·7	109·0	106·1	111·9	113·2

BIRTHS

Births were fully discussed in the Births Chapter of the 1961 Commentary volume of the *Registrar General's Statistical Review* (see pages 57–100). Tables XXIX to XL extend for a further year selected tables from that chapter. These tables are followed on page 48 by a discussion of the increase in births since 1955, and on page 67 by a note on the shift from nine months to eight months marriage duration as the conventional limit for pre-marital conceptions.

Table XXIX. Live births and birth rates by legitimacy, 1851 to 1962, England and Wales

Year	Total live births	Live birth rate per 1,000 population	All live births per 1,000 women aged 15–44	Legitimate live births	Legitimate live births per 1,000 married women aged 15–44	Illegitimate live births	Illegitimate live births per 1,000 unmarried women aged 15–44
1851–1860	6,471,650	34·1	144·9	6,048,479	281·0	423,171	18·3
1861–1870	7,500,096	35·2	151·0	7,043,090	287·3	457,006	18·2
1871–1880	8,588,782	35·4	153·6	8,161,584	295·5	427,198	15·1
1881–1890	8,890,238	32·4	138·7	8,471,116	274·6	419,122	12·6
1891–1900	9,155,153	29·9	122·7	8,773,351	250·3	381,802	9·6
1901–1910	9,298,209	27·2	109·0	8,927,791	221·6	370,418	8·2
1911–1920	8,096,222	21·8	87·7	7,706,457	173·5	389,765	8·1
1921–1930	7,129,070	18·3	73·9	6,818,295	143·6	310,775	6·3
1931–1935	3,022,864	15·0	61·7	2,891,469	115·2	131,395	5·5
1936–1940	3,041,652	14·7	60·9	2,913,834	107·3	127,818	5·5
1941–1945	3,346,343	15·9	69·3	3,116,516	105·4	229,827	11·4
1946–1950	3,904,666	18·0	80·9	3,690,413	122·5	214,253	11·7
1951–1955	3,377,098	15·2	72·5	3,216,521	105·0	160,577	10·1
1956 ..	700,335	15·6	77·0	666,801	108·2	33,534	11·4
1957 ..	723,381	16·1	80·0	688,819	111·3	34,562	12·1
1958 ..	740,715	16·4	82·1	704,541	113·6	36,174	12·8
1959 ..	748,501	16·4	83·0	710,340	114·5	38,161	13·5
1960 ..	785,005	17·1	86·7	742,298	119·2	42,707	15·1
1961 ..	811,281	17·5	89·5	762,791	122·1	48,490	17·2
1962 ..	838,736	17·9	90·8	783,360	124·1	55,376	18·9

Table XXX. Illegitimate maternities and pre-maritally conceived legitimate maternities, 1938 to 1962, England and Wales

Year	Illegitimate maternities	Pre-maritally conceived legitimate maternities*	Total maternities conceived extra-maritally*		Percentage of extra-maritally conceived maternities legitimated by marriage of parents before birth of child
			Numbers	Percentage of all maternities	
1938	27,440	64,530	91,970	14·4	70·2
1939	26,569	60,346	86,915	13·8	69·4
1940–1944† ..	39,542	43,146	82,688	12·4	52·2
1945–1949† ..	49,466	52,557	102,023	13·0	51·5
1950	35,816	54,188	90,004	12·8	60·2
1951	33,444	50,477	83,921	12·3	60·1
1952	33,088	44,239	77,327	11·4	57·2
1953	33,083	43,988	77,071	11·2	57·1
1954	32,128	44,319	76,447	11·2	58·0
1955	31,649	43,601	75,250	11·1	57·9
1956	34,113	47,377	81,490	11·5	58·1
1957	35,098	48,611	83,709	11·5	58·1
1958	36,787	49,775	86,562	11·6	57·5
1959	38,792	50,871	89,663	11·9	56·7
1960	43,281	54,576	97,857	12·4	55·8
1961§	48,490	59,115	107,605	13·3	54·9
1962§	55,376	62,455	117,831	14·0	53·0

* From 1952 onwards the figures relate to women married once only.

† Marriage durations under 8½ months up to 1951, under 8 months thereafter: see page 67.

‡ Annual averages.

§ The figures relate to live births, i.e. they include multiple births but exclude stillbirths.

Table XXXI. Legitimate maternity rates for women married once only by age and marriage duration, 1955, 1956 and 1959 to 1962, England and Wales*

Age of mother at birth	Year	Marriage duration (completed years)										
		All durations	0	1	2	3	4	5–9	10–14	15–19	20–24	25 and over
All ages under 50	1955	·088	·279	·257	·219	·203	·186	·115	·047	·019	·006	·001
	1956	·092	·292	·267	·230	·215	·192	·122	·051	·020	·006	·001
	1959	·097	·312	·281	·252	·229	·207	·132	·054	·021	·006	·001
	1960	·101	·327	·288	·258	·243	·217	·138	·057	·022	·006	·001
	1961†	·103	·336	·293	·269	·250	·218	·140	·059	·023	·006	·001
	1962†	·105	·348	·292	·278	·259	·231	·143	·059	·024	·006	·001
Under 20	1955	·391	·433	·305	·310	·350	—	—	—	—	—	—
	1956	·406	·454	·314	·315	·333	—	—	—	—	—	—
	1959	·416	·468	·330	·331	·342	—	—	—	—	—	—
	1960	·436	·497	·333	·338	·370	—	—	—	—	—	—
	1961†	·443	·510	·335	·321	·276	—	—	—	—	—	—
	1962†	·444	·515	·334	·345	·324	—	—	—	—	—	—
20–24	1955	·249	·269	·273	·238	·233	·221	·207	—	—	—	—
	1956	·259	·277	·283	·250	·245	·229	·217	—	—	—	—
	1959	·267	·288	·292	·269	·251	·232	·213	—	—	—	—
	1960	·272	·296	·297	·270	·262	·240	·214	—	—	—	—
	1961†	·276	·299	·301	·281	·267	·238	·214	—	—	—	—
	1962†	·281	·306	·301	·292	·275	·252	·212	—	—	—	—
25–29	1955	·171	·243	·244	·217	·203	·194	·143	·102	—	—	—
	1956	·180	·247	·255	·226	·216	·199	·152	·113	—	—	—
	1959	·188	·270	·268	·248	·230	·217	·159	·121	—	—	—
	1960	·196	·287	·276	·258	·246	·227	·164	·130	—	—	—
	1961†	·198	·292	·288	·267	·256	·229	·166	·132	—	—	—
	1962†	·201	·304	·282	·273	·264	·240	·168	·129	—	—	—
30–34	1955	·096	·234	·243	·197	·179	·167	·104	·063	·062	—	—
	1956	·100	·247	·245	·210	·190	·173	·110	·066	·063	—	—
	1959	·105	·256	·268	·228	·209	·189	·119	·072	·061	—	—
	1960	·110	·276	·279	·240	·225	·198	·126	·076	·061	—	—
	1961†	·110	·273	·275	·251	·229	·199	·127	·078	·064	—	—
	1962†	·111	·296	·273	·257	·238	·212	·129	·077	·067	—	—
35–39	1955	·049	·166	·190	·150	·135	·128	·080	·042	·035	·035	—
	1956	·050	·175	·195	·152	·144	·132	·082	·045	·035	·035	—
	1959	·049	·188	·207	·170	·150	·135	·084	·046	·033	·033	—
	1960	·050	·198	·210	·178	·151	·138	·087	·048	·033	·035	—
	1961†	·051	·190	·203	·185	·158	·142	·090	·050	·034	·034	—
	1962†	·051	·210	·203	·182	·167	·145	·091	·049	·035	·033	—
40–44	1955	·014	·055	·066	·052	·050	·046	·030	·016	·012	·011	·008
	1956	·014	·054	·075	·059	·049	·042	·030	·017	·012	·010	·008
	1959	·013	·067	·074	·059	·057	·046	·031	·017	·011	·009	·007
	1960	·015	·076	·081	·069	·057	·056	·035	·020	·013	·011	·007
	1961†	·015	·076	·083	·064	·062	·054	·034	·021	·013	·010	·007
	1962†	·015	·076	·085	·068	·060	·057	·035	·020	·014	·010	·007
45–49	1955	·001	*·002*	*·002*	*·004*	*·004*	*·003*	·003	·002	·001	·001	·001
	1956	·001	*·003*	*·004*	*·005*	*·003*	*·002*	*·002*	·001	·001	·001	·001
	1959	·001	*·004*	*·005*	*·006*	*·005*	*·004*	·003	·002	·001	·001	·001
	1960	·001	*·002*	*·004*	*·001*	*·004*	*·004*	·002	·002	·001	·001	·001
	1961†	·001	*·003*	*·006*	*·007*	*·004*	*·004*	·003	·002	·001	·001	·000
	1962†	·001	*·005*	*·007*	*·006*	*·004*	*·002*	·003	·002	·001	·001	·001

* In calculating these rates the few maternities to women whose stated age and marriage duration implied an age at marriage below the legal minimum of 16 have been excluded.

† Legitimate live birth rates.

Table XXXII. Fertility rates by age at marriage for selected durations only. Women married once only, for selected periods, 1947–48 to 1961–62, England and Wales

Age at marriage	Period	Duration of marriage (completed years)								
		0	1	2	3	4	5	15	20	25
All ages under 45	1947–48	·301	·330	·258	·222	·203	·186	·045	·015	·001
	1952–53	·273	·266	·224	·201	·178	·153	·026	·009	·001
	1958–59	·310	·279	·251	·226	·208	·180	·030	·008	·001
	1959–60	·314	·285	·252	·234	·207	·184	·030	·009	·000
	1960–61	·328	·289	·265	·249	·219	·191	·030	·009	·001
	1961–62	·344	·296	·272	·253	·224	·194	·031	·009	·001
Under 20	1947–48	·429	·386	·305	·269	·246	·237	·107	·051	·016
	1952–53	·437	·318	·281	·258	·221	·193	·069	·038	·009
	1958–59	·433	·327	·295	·265	·250	·222	·055	·032	·006
	1959–60	·439	·331	·297	·267	·235	·221	·057	·032	·005
	1960–61	·468	·330	·303	·282	·249	·219	·060	·031	·006
	1961–62	·480	·338	·311	·283	·251	·221	·062	·029	·007
20–24	1947–48	·311	·348	·269	·234	·217	·199	·054	·018	·001
	1952–53	·253	·267	·224	·206	·185	·162	·032	·011	·001
	1958–59	·275	·272	·248	·229	·214	·189	·034	·008	·000
	1959–60	·278	·276	·246	·237	·216	·192	·033	·008	·000
	1960–61	·283	·281	·261	·251	·226	·201	·033	·009	·000
	1961–62	·293	·286	·267	·257	·232	·204	·036	·009	·000
25–29	1947–48	·272	·317	·245	·205	·187	·164	·025	·004	—
	1952–53	·227	·257	·216	·185	·173	·155	·012	·001	—
	1958–59	·275	·272	·247	·222	·200	·165	·012	·001	—
	1959–60	·277	·280	·251	·231	·196	·172	·012	·001	—
	1960–61	·292	·289	·264	·248	·208	·179	·013	·001	—
	1961–62	·304	·293	·274	·249	·215	·184	·014	·001	—
30–34	1947–48	·191	·277	·205	·170	·143	·121	·006	·000	—
	1952–53	·217	·240	·190	·160	·130	·101	·002	·000	—
	1958–59	·247	·250	·212	·162	·142	·107	*·001*	—	—
	1959–60	·264	·257	·206	·177	·138	·112	·001	—	—
	1960–61	·265	·261	·218	·183	·150	·119	·001	—	—
	1961–62	·275	·270	·223	·191	·152	·121	·001	—	—
35–39	1947–48	·125	·183	·122	·086	·062	·043	·000	—	—
	1952–53	·132	·155	·110	·079	·050	·034	·000	—	—
	1958–59	·175	·165	·120	·083	·052	·036	—	—	—
	1959–60	·181	·179	·128	·081	·060	·036	—	—	—
	1960–61	·182	·171	·124	·093	·060	·040	—	—	—
	1961–62	·191	·166	·126	·088	·064	·038	—	—	—
40–44	1947–48	·038	·051	·030	·016	·008	·005	—	—	—
	1952–53	·039	·033	·025	·007	·006	·003	—	—	—
	1958–59	·055	·035	·021	·013	·005	*·002*	—	—	—
	1959–60	·053	·045	·020	·011	·006	*·002*	—	—	—
	1960–61	·071	·045	·024	·011	·008	*·001*	—	—	—
	1961–62	·070	·050	·024	·013	·006	*·002*	—	—	—

Table XXXIII. Mean family size of selected cohorts since 1929 by age at, and duration of, marriage, England and Wales

Age at marriage	Cohort	Duration of marriage (exact years)									
		1	2	3	4	5	6	11	16	21	26
All ages under 45 ..	1929	·37	·63	·82	·98	1·13	1·26	1·72	1·96	2·06	2·08
	1934	·34	·59	·77	·94	1·08	1·21	1·67	1·95	2·02	2·03
	1939	·25	·47	·65	·82	·99	1·14	1·74	1·95	2·03	—
	1944	·29	·58	·83	1·05	1·24	1·39	1·85	2·06	—	—
	1949	·33	·62	·84	1·04	1·22	1·38	1·89	—	—	—
	1954	·32	·58	·81	1·03	1·24	1·42	—	—	—	—
	1959	·35	·64	·92	—	—	—	—	—	—	—
	1960	·37	·66	—	—	—	—	—	—	—	—
	1961	·38	—	—	—	—	—	—	—	—	—
Under 20	1929	·65	·95	1·20	1·41	1·60	1·77	2·50	3·00	3·33	3·42
	1934	·64	·94	1·18	1·38	1·58	1·76	2·48	3·09	3·32	3·39
	1939	·43	·70	·93	1·12	1·32	1·51	2·35	2·77	2·99	—
	1944	·38	·68	·96	1·23	1·46	1·65	2·28	2·63	—	—
	1949	·48	·84	1·12	1·38	1·60	1·81	2·52	—	—	—
	1954	·47	·78	1·06	1·32	1·57	1·79	—	—	—	—
	1959	·47	·80	1·12	—	—	—	—	—	—	—
	1960	·50	·84	—	—	—	—	—	—	—	—
	1961	·52	—	—	—	—	—	—	—	—	—
20–24	1929	·41	·70	·90	1·08	1·24	1·39	1·92	2·22	2·36	2·37
	1934	·37	·63	·84	1·02	1·18	1·31	1·85	2·19	2·29	2·30
	1939	·24	·47	·66	·84	1·03	1·20	1·87	2·12	2·20	—
	1944	·28	·58	·85	1·08	1·28	1·44	1·94	2·17	—	—
	1949	·32	·62	·84	1·04	1·23	1·40	1·94	—	—	—
	1954	·28	·54	·76	·99	1·20	1·40	—	—	—	—
	1959	·31	·59	·86	—	—	—	—	—	—	—
	1960	·32	·60	—	—	—	—	—	—	—	—
	1961	·33	—	—	—	—	—	—	—	—	—
25–29	1929	·26	·50	·68	·83	·96	1·09	1·46	1·61	1·65	1·65
	1934	·25	·48	·65	·80	·94	1·06	1·45	1·62	1·65	1·65
	1939	·20	·40	·57	·74	·90	1·04	1·57	1·91	1·73	—
	1944	·26	·55	·79	1·00	1·17	1·31	1·71	1·84	—	—
	1949	·29	·56	·76	·95	1·12	1·26	1·70	—	—	—
	1954	·28	·54	·76	·98	1·18	1·35	—	—	—	—
	1959	·33	·62	·89	—	—	—	—	—	—	—
	1960	·35	·64	—	—	—	—	—	—	—	—
	1961	·36	—	—	—	—	—	—	—	—	—
30–34	1929	·28	·49	·63	·75	·84	·92	1·13	1·16	1·16	1·16
	1934	·25	·44	·58	·71	·80	·88	1·08	1·14	1·14	1·14
	1939	·23	·41	·55	·67	·80	·91	1·20	1·23	1·23	—
	1944	·26	·51	·72	·89	1·03	1·13	1·34	1·37	—	—
	1949	·26	·50	·68	·84	·97	1·08	1·31	—	—	—
	1954	·30	·53	·72	·88	1·02	1·14	—	—	—	—
	1959	·34	·60	·83	—	—	—	—	—	—	—
	1960	·34	·61	—	—	—	—	—	—	—	—
	1961	·35	—	—	—	—	—	—	—	—	—
35–39	1929	·28	·40	·50	·54	·58	·60	·66	·66	—	—
	1934	·26	·40	·49	·55	·59	·62	·65	·66	—	—
	1939	·19	·31	·38	·45	·50	·52	·60	·60	—	—
	1944	·20	·37	·49	·58	·63	·67	·70	·70	—	—
	1949	·21	·37	·48	·55	·61	·64	·68	—	—	—
	1954	·23	·40	·50	·58	·63	·67	—	—	—	—
	1959	·27	·44	·57	—	—	—	—	—	—	—
	1960	·27	·44	—	—	—	—	—	—	—	—
	1961	·28	—	—	—	—	—	—	—	—	—
40–44	1929	·18	·20	·21	·22	·22	·22	·24	—	—	—
	1934	·28	·32	·34	·35	·36	·36	·36	—	—	—
	1939	·10	·13	·14	·15	·15	·15	·16	—	—	—
	1944	·13	·18	·21	·22	·23	·23	·23	—	—	—
	1949	·14	·18	·20	·21	·22	·22	·22	—	—	—
	1954	·15	·19	·22	·22	·23	·23	—	—	—	—
	1959	·16	·21	·23	—	—	—	—	—	—	—
	1960	·18	·23	—	—	—	—	—	—	—	—
	1961	·18	—	—	—	—	—	—	—	—	—

Table XXXIV. Gross and net reproduction rates, 1841 to 1962, England and Wales

Year	G.R.R.	N.R.R.	Year	G.R.R.	N.R.R.
3-year averages			Individual years or annual averages		
1841	2·237	1·349	1939–49	1·031	0·945
1851	2·264	1·381	1950–54	1·061	1·015
1861	2·277	1·427	1955	1·077	1·038
1871	2·356	1·511	1956	1·146	1·107
1881	2·252	1·511	1957	1·190	1·149
1891	1·973	1·369	1958	1·221	1·182
1901	1·702	1·238	1959	1·230	1·190
1911	1·428	1·121	1960	1·292	1·252
1923	1·153	0·966	1961	1·346	1·303
1933	0·862	0·756	1962	1·378	1·336
1938	0·897	0·805			

Table XXXV. Family size distribution per 1,000 women married once only, by duration of, calendar year of, and age at marriage, England and Wales

(a) Age at marriage—All ages under 45

Duration of marriage (exact years)	Number of liveborn children	Calendar year of marriage											
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
0	0	964	964	964	964	964	964	964	964	964	964	964	964
	1	32	32	32	32	32	32	32	32	32	32	32	32
	2	3	3	3	3	3	3	3	3	3	3	3	3
	3	1	1	1	1	1	1	1	1	1	1	1	1
	4 and over	1	1	1	1	1	1	1	1	1	1	1	1
1	0	701	695	694	693	682	672	670	648	654	642	629	—
	1	292	298	299	300	310	320	322	343	337	349	360	—
	2	6	6	6	6	6	6	6	6	6	7	8	—
	3	1	1	1	1	1	1	1	1	1	2	2	—
	4 and over	1	1	1	1	1	1	1	1	1	1	1	—
2	0	490	483	483	486	465	452	451	429	435	420	—	—
	1	451	457	458	455	477	485	484	500	492	500	—	—
	2	55	56	55	54	54	58	60	66	68	73	—	—
	3	3	3	3	3	3	4	4	4	4	4	—	—
	4 and over	1	1	1	1	1	1	1	1	1	2	—	—
3	0	386	379	373	372	349	335	338	312	316	—	—	—
	1	457	463	464	468	485	485	476	488	477	—	—	—
	2	141	142	146	145	149	161	166	178	184	—	—	—
	3	14	14	15	14	15	17	18	19	20	—	—	—
	4 and over	2	2	2	2	2	2	2	2	3	—	—	—
4	0	316	308	296	294	274	260	260	235	—	—	—	—
	1	427	432	435	436	447	441	428	437	—	—	—	—
	2	213	215	223	223	230	245	254	266	—	—	—	—
	3	39	40	41	42	44	47	51	54	—	—	—	—
	4 and over	5	6	6	6	6	7	8	8	—	—	—	—
5	0	266	255	240	241	224	208	207	—	—	—	—	—
	1	387	392	394	390	397	389	375	—	—	—	—	—
	2	265	271	280	280	286	301	310	—	—	—	—	—
	3	66	68	70	73	76	83	87	—	—	—	—	—
	4 and over	15	15	16	17	18	19	21	—	—	—	—	—
6	0	229	216	202	204	188	172	—	—	—	—	—	—
	1	348	351	353	346	350	344	—	—	—	—	—	—
	2	303	309	318	315	320	332	—	—	—	—	—	—
	3	91	94	97	101	106	114	—	—	—	—	—	—
	4 and over	28	30	31	33	35	38	—	—	—	—	—	—
7	0	203	190	176	179	164	—	—	—	—	—	—	—
	1	316	317	316	308	313	—	—	—	—	—	—	—
	2	324	329	339	334	337	—	—	—	—	—	—	—
	3	113	117	120	126	131	—	—	—	—	—	—	—
	4 and over	44	46	49	52	55	—	—	—	—	—	—	—
8	0	184	173	159	161	—	—	—	—	—	—	—	—
	1	288	288	286	280	—	—	—	—	—	—	—	—
	2	336	340	348	342	—	—	—	—	—	—	—	—
	3	130	135	139	146	—	—	—	—	—	—	—	—
	4 and over	61	64	68	72	—	—	—	—	—	—	—	—
9	0	172	160	146	—	—	—	—	—	—	—	—	—
	1	267	265	263	—	—	—	—	—	—	—	—	—
	2	340	342	351	—	—	—	—	—	—	—	—	—
	3	144	150	154	—	—	—	—	—	—	—	—	—
	4 and over	77	83	86	—	—	—	—	—	—	—	—	—
10	0	163	151	—	—	—	—	—	—	—	—	—	—
	1	250	248	—	—	—	—	—	—	—	—	—	—
	2	339	340	—	—	—	—	—	—	—	—	—	—
	3	155	161	—	—	—	—	—	—	—	—	—	—
	4 and over	92	99	—	—	—	—	—	—	—	—	—	—
11	0	156	—	—	—	—	—	—	—	—	—	—	—
	1	238	—	—	—	—	—	—	—	—	—	—	—
	2	336	—	—	—	—	—	—	—	—	—	—	—
	3	162	—	—	—	—	—	—	—	—	—	—	—
	4 and over	108	—	—	—	—	—	—	—	—	—	—	—

Table XXXV—*continued*

(b) Age at marriage—under 20

Duration of marriage (exact years)	Number of liveborn children	Calendar year of marriage											
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
0 ..	0	970	970	970	970	970	970	970	970	970	970	970	970
	1	28	28	28	28	28	28	28	28	28	28	28	28
	2	2	2	2	2	2	2	2	2	2	2	2	2
	3	0	0	0	0	0	0	0	0	0	0	0	0
	4 and over	1	1	1	1	1	1	1	1	1	1	1	1
1 ..	0	544	536	529	541	555	550	553	540	535	507	496	—
	1	450	458	465	453	439	444	441	454	459	486	496	—
	2	5	5	5	5	5	5	5	5	5	6	7	—
	3	0	0	0	0	0	0	0	0	0	0	0	—
	4 and over	1	1	1	1	1	1	1	1	1	1	1	—
2 ..	0	317	309	304	317	325	317	322	314	312	287	—	—
	1	588	596	602	590	583	587	578	577	578	591	—	—
	2	92	92	91	90	88	93	97	105	106	118	—	—
	3	2	2	2	2	2	2	2	2	3	3	—	—
	4 and over	1	1	1	1	1	1	1	1	1	1	—	—
3 ..	0	216	210	202	214	219	213	220	212	208	—	—	—
	1	536	545	550	540	534	525	510	506	503	—	—	—
	2	225	222	225	224	223	236	243	253	259	—	—	—
	3	22	22	22	21	22	25	25	27	28	—	—	—
	4 and over	2	2	2	2	2	2	2	2	2	—	—	—
4 ..	0	154	148	136	151	158	154	159	150	—	—	—	—
	1	460	468	473	463	454	440	421	419	—	—	—	—
	2	308	306	313	308	308	322	331	339	—	—	—	—
	3	70	70	71	70	72	75	80	83	—	—	—	—
	4 and over	8	8	7	8	8	9	10	10	—	—	—	—
5 ..	0	114	106	92	109	122	114	119	—	—	—	—	—
	1	390	396	399	391	382	368	348	—	—	—	—	—
	2	354	355	363	353	350	362	372	—	—	—	—	—
	3	116	116	119	120	118	127	128	—	—	—	—	—
	4 and over	26	27	27	28	28	30	33	—	—	—	—	—
6 ..	0	84	76	63	80	94	86	—	—	—	—	—	—
	1	334	339	340	332	327	314	—	—	—	—	—	—
	2	378	378	386	372	363	374	—	—	—	—	—	—
	3	151	152	154	156	157	164	—	—	—	—	—	—
	4 and over	54	56	57	59	59	62	—	—	—	—	—	—
7 ..	0	62	56	45	62	75	—	—	—	—	—	—	—
	1	291	295	292	288	285	—	—	—	—	—	—	—
	2	384	382	394	373	363	—	—	—	—	—	—	—
	3	178	179	179	184	184	—	—	—	—	—	—	—
	4 and over	86	88	90	94	93	—	—	—	—	—	—	—
8 ..	0	47	41	31	48	—	—	—	—	—	—	—	—
	1	256	260	259	257	—	—	—	—	—	—	—	—
	2	383	381	388	366	—	—	—	—	—	—	—	—
	3	197	197	201	203	—	—	—	—	—	—	—	—
	4 and over	117	121	121	126	—	—	—	—	—	—	—	—
9 ..	0	36	30	21	—	—	—	—	—	—	—	—	—
	1	232	233	234	—	—	—	—	—	—	—	—	—
	2	374	372	379	—	—	—	—	—	—	—	—	—
	3	212	212	213	—	—	—	—	—	—	—	—	—
	4 and over	146	153	153	—	—	—	—	—	—	—	—	—
10 ..	0	28	23	—	—	—	—	—	—	—	—	—	—
	1	212	214	—	—	—	—	—	—	—	—	—	—
	2	365	358	—	—	—	—	—	—	—	—	—	—
	3	221	225	—	—	—	—	—	—	—	—	—	—
	4 and over	174	180	—	—	—	—	—	—	—	—	—	—
11 ..	0	22	—	—	—	—	—	—	—	—	—	—	—
	1	198	—	—	—	—	—	—	—	—	—	—	—
	2	352	—	—	—	—	—	—	—	—	—	—	—
	3	227	—	—	—	—	—	—	—	—	—	—	—
	4 and over	201	—	—	—	—	—	—	—	—	—	—	—

Table XXXV—*continued*

(c) Age at marriage 20–24

Duration of marriage (exact years)	Number of liveborn children	Calendar year of marriage											
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
0	0	969	969	969	969	969	969	969	969	969	969	969	969
	1	28	28	28	28	28	28	28	28	28	28	28	28
	2	2	2	2	2	2	2	2	2	2	2	2	2
	3	0	0	0	0	0	0	0	0	0	0	0	0
	4 and over	0	0	0	0	0	0	0	0	0	0	0	0
1	0	724	720	724	724	713	707	705	698	696	692	684	—
	1	270	274	270	270	281	288	289	296	298	302	308	—
	2	5	5	5	5	5	5	5	5	5	6	7	—
	3	1	1	1	1	1	1	1	1	1	1	1	—
	4 and over	0	0	0	0	0	0	0	0	0	0	0	—
2	0	505	499	507	516	495	485	483	476	472	465	—	—
	1	444	449	442	436	456	463	464	466	467	473	—	—
	2	48	48	48	46	46	49	50	55	57	58	—	—
	3	3	2	3	3	2	3	3	3	3	3	—	—
	4 and over	0	0	0	0	0	0	0	0	0	0	—	—
3	0	393	388	389	393	369	359	361	348	343	—	—	—
	1	466	471	465	465	482	481	476	476	475	—	—	—
	2	129	129	133	130	136	145	148	159	163	—	—	—
	3	12	12	12	12	12	14	14	16	16	—	—	—
	4 and over	1	1	1	1	1	1	1	1	2	—	—	—
4	0	314	307	302	306	284	274	272	259	—	—	—	—
	1	445	449	446	443	454	447	439	436	—	—	—	—
	2	204	206	212	211	220	234	241	253	—	—	—	—
	3	34	34	35	36	36	39	42	45	—	—	—	—
	4 and over	4	4	4	4	4	5	6	6	—	—	—	—
5	0	257	247	239	245	226	213	210	—	—	—	—	—
	1	409	412	410	400	407	398	390	—	—	—	—	—
	2	263	268	277	277	287	301	307	—	—	—	—	—
	3	59	61	62	65	66	73	77	—	—	—	—	—
	4 and over	12	12	13	13	14	15	17	—	—	—	—	—
6	0	215	203	194	201	183	170	—	—	—	—	—	—
	1	369	370	369	357	358	351	—	—	—	—	—	—
	2	308	314	322	321	333	342	—	—	—	—	—	—
	3	84	87	89	93	97	106	—	—	—	—	—	—
	4 and over	24	25	26	27	29	31	—	—	—	—	—	—
7	0	184	172	164	171	155	—	—	—	—	—	—	—
	1	334	334	330	317	318	—	—	—	—	—	—	—
	2	336	341	350	348	357	—	—	—	—	—	—	—
	3	108	113	115	120	124	—	—	—	—	—	—	—
	4 and over	38	40	42	44	47	—	—	—	—	—	—	—
8	0	163	152	142	150	—	—	—	—	—	—	—	—
	1	303	302	297	284	—	—	—	—	—	—	—	—
	2	353	356	365	362	—	—	—	—	—	—	—	—
	3	127	134	136	142	—	—	—	—	—	—	—	—
	4 and over	54	57	60	62	—	—	—	—	—	—	—	—
9	0	148	137	128	—	—	—	—	—	—	—	—	—
	1	280	275	271	—	—	—	—	—	—	—	—	—
	2	360	363	371	—	—	—	—	—	—	—	—	—
	3	143	151	154	—	—	—	—	—	—	—	—	—
	4 and over	69	74	77	—	—	—	—	—	—	—	—	—
10	0	138	127	—	—	—	—	—	—	—	—	—	—
	1	260	256	—	—	—	—	—	—	—	—	—	—
	2	361	363	—	—	—	—	—	—	—	—	—	—
	3	156	164	—	—	—	—	—	—	—	—	—	—
	4 and over	85	91	—	—	—	—	—	—	—	—	—	—
11	0	130	—	—	—	—	—	—	—	—	—	—	—
	1	246	—	—	—	—	—	—	—	—	—	—	—
	2	359	—	—	—	—	—	—	—	—	—	—	—
	3	166	—	—	—	—	—	—	—	—	—	—	—
	4 and over	100	—	—	—	—	—	—	—	—	—	—	—

Table XXXV—*continued*

(d) Age at marriage 25–29

Duration of marriage (exact years)	Number of liveborn children	Calendar year of marriage											
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
0	0	955	955	955	955	955	955	955	955	955	955	955	955
	1	39	39	39	39	39	39	39	39	39	39	39	39
	2	4	4	4	4	4	4	4	4	4	4	4	4
	3	1	1	1	1	1	1	1	1	1	1	1	1
	4 and over	1	1	1	1	1	1	1	1	1	1	1	1
1	0	736	735	736	734	711	704	698	688	686	675	668	—
	1	254	256	254	257	279	286	292	301	302	312	316	—
	2	7	7	7	7	7	8	8	8	9	9	11	—
	3	1	1	1	1	2	2	2	1	1	2	3	—
	4 and over	1	1	1	1	1	1	1	2	1	2	2	—
2	0	523	521	523	522	487	480	474	460	455	442	—	—
	1	428	429	428	429	462	469	472	483	484	493	—	—
	2	43	43	43	43	44	45	47	50	53	56	—	—
	3	4	4	4	4	4	4	5	5	6	6	—	—
	4 and over	2	2	2	2	2	2	2	2	1	3	—	—
3	0	414	412	406	396	368	353	350	333	325	—	—	—
	1	453	455	455	464	489	492	485	491	491	—	—	—
	2	117	118	123	124	126	137	145	154	161	—	—	—
	3	12	12	13	13	14	14	16	17	18	—	—	—
	4 and over	3	3	3	3	3	4	4	4	5	—	—	—
4	0	340	336	324	311	286	270	266	252	—	—	—	—
	1	436	438	441	448	463	461	447	448	—	—	—	—
	2	187	189	197	202	208	221	235	243	—	—	—	—
	3	30	31	31	34	36	39	43	47	—	—	—	—
	4 and over	6	6	7	6	7	9	9	10	—	—	—	—
5	0	288	282	265	255	233	216	212	—	—	—	—	—
	1	403	404	407	406	420	415	398	—	—	—	—	—
	2	243	248	258	263	269	283	294	—	—	—	—	—
	3	53	52	55	60	62	67	75	—	—	—	—	—
	4 and over	14	13	15	15	16	19	20	—	—	—	—	—
6	0	250	242	226	218	195	179	—	—	—	—	—	—
	1	369	372	370	366	376	374	—	—	—	—	—	—
	2	283	288	297	301	308	316	—	—	—	—	—	—
	3	75	75	80	87	92	96	—	—	—	—	—	—
	4 and over	23	24	26	28	28	35	—	—	—	—	—	—
7	0	223	215	201	192	172	—	—	—	—	—	—	—
	1	341	341	338	330	341	—	—	—	—	—	—	—
	2	306	312	321	324	327	—	—	—	—	—	—	—
	3	96	96	102	112	117	—	—	—	—	—	—	—
	4 and over	34	36	38	42	43	—	—	—	—	—	—	—
8	0	204	196	183	176	—	—	—	—	—	—	—	—
	1	318	316	311	302	—	—	—	—	—	—	—	—
	2	320	325	333	332	—	—	—	—	—	—	—	—
	3	110	113	120	132	—	—	—	—	—	—	—	—
	4 and over	47	49	53	58	—	—	—	—	—	—	—	—
9	0	191	183	171	—	—	—	—	—	—	—	—	—
	1	301	297	291	—	—	—	—	—	—	—	—	—
	2	326	330	339	—	—	—	—	—	—	—	—	—
	3	122	128	132	—	—	—	—	—	—	—	—	—
	4 and over	60	63	68	—	—	—	—	—	—	—	—	—
10	0	183	174	—	—	—	—	—	—	—	—	—	—
	1	286	284	—	—	—	—	—	—	—	—	—	—
	2	328	330	—	—	—	—	—	—	—	—	—	—
	3	132	136	—	—	—	—	—	—	—	—	—	—
	4 and over	71	76	—	—	—	—	—	—	—	—	—	—
11	0	176	—	—	—	—	—	—	—	—	—	—	—
	1	275	—	—	—	—	—	—	—	—	—	—	—
	2	328	—	—	—	—	—	—	—	—	—	—	—
	3	138	—	—	—	—	—	—	—	—	—	—	—
	4 and over	82	—	—	—	—	—	—	—	—	—	—	—

Table XXXV—*continued*

(e) Age at marriage—30–34

Duration of marriage (exact years)	Number of liveborn children	Calendar year of marriage											
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
0	0	945	945	945	945	945	945	945	945	945	945	945	945
	1	40	40	40	40	40	40	40	40	40	40	40	40
	2	7	7	7	7	7	7	7	7	7	7	7	7
	3	6	6	6	6	6	6	6	6	6	6	6	6
	4 and over	1	1	1	1	1	1	1	1	1	1	1	1
1	0	745	736	740	734	719	703	710	707	693	694	694	—
	1	236	245	240	246	261	276	270	272	285	283	278	—
	2	11	11	11	11	11	12	10	12	13	12	15	—
	3	7	7	7	7	7	7	7	7	7	8	9	—
	4 and over	2	2	2	2	2	2	2	2	2	2	4	—
2	0	547	534	540	546	520	501	507	496	486	484	—	—
	1	397	410	404	400	428	440	434	443	448	447	—	—
	2	42	43	42	41	39	46	44	48	50	51	—	—
	3	10	10	10	10	10	9	12	10	11	12	—	—
	4 and over	3	3	3	3	3	3	3	4	4	6	—	—
3	0	461	445	448	448	423	397	410	397	393	—	—	—
	1	409	422	416	418	437	454	437	442	435	—	—	—
	2	108	110	113	111	117	124	126	136	140	—	—	—
	3	17	18	18	18	17	19	20	19	22	—	—	—
	4 and over	5	5	5	5	5	6	6	7	9	—	—	—
4	0	407	388	392	390	369	339	353	342	—	—	—	—
	1	387	399	395	396	413	425	404	400	—	—	—	—
	2	163	168	171	170	173	185	190	202	—	—	—	—
	3	34	35	34	35	36	40	41	42	—	—	—	—
	4 and over	9	9	8	9	9	11	12	13	—	—	—	—
5	0	369	348	352	354	335	304	318	—	—	—	—	—
	1	361	375	369	365	384	391	370	—	—	—	—	—
	2	202	209	210	210	205	223	224	—	—	—	—	—
	3	52	52	53	55	60	63	66	—	—	—	—	—
	4 and over	16	15	16	17	16	20	22	—	—	—	—	—
6	0	341	323	328	331	313	280	—	—	—	—	—	—
	1	343	350	348	340	357	368	—	—	—	—	—	—
	2	225	234	231	232	224	240	—	—	—	—	—	—
	3	67	67	68	71	78	79	—	—	—	—	—	—
	4 and over	24	25	25	27	28	33	—	—	—	—	—	—
7	0	325	308	311	314	298	—	—	—	—	—	—	—
	1	326	332	334	322	340	—	—	—	—	—	—	—
	2	236	244	240	244	233	—	—	—	—	—	—	—
	3	82	82	81	81	89	—	—	—	—	—	—	—
	4 and over	31	34	35	38	40	—	—	—	—	—	—	—
8	0	314	297	301	303	—	—	—	—	—	—	—	—
	1	313	321	320	313	—	—	—	—	—	—	—	—
	2	244	249	246	246	—	—	—	—	—	—	—	—
	3	90	90	88	91	—	—	—	—	—	—	—	—
	4 and over	39	42	45	48	—	—	—	—	—	—	—	—
9	0	308	289	295	—	—	—	—	—	—	—	—	—
	1	305	313	313	—	—	—	—	—	—	—	—	—
	2	246	251	249	—	—	—	—	—	—	—	—	—
	3	96	96	91	—	—	—	—	—	—	—	—	—
	4 and over	45	51	52	—	—	—	—	—	—	—	—	—
10	0	303	285	—	—	—	—	—	—	—	—	—	—
	1	301	307	—	—	—	—	—	—	—	—	—	—
	2	248	252	—	—	—	—	—	—	—	—	—	—
	3	98	98	—	—	—	—	—	—	—	—	—	—
	4 and over	50	57	—	—	—	—	—	—	—	—	—	—
11	0	300	—	—	—	—	—	—	—	—	—	—	—
	1	299	—	—	—	—	—	—	—	—	—	—	—
	2	248	—	—	—	—	—	—	—	—	—	—	—
	3	100	—	—	—	—	—	—	—	—	—	—	—
	4 and over	54	—	—	—	—	—	—	—	—	—	—	—

Table XXXV—*continued*

(f) Age at marriage 35–39

Duration of marriage (exact years)	Number of liveborn children	Calendar year of marriage											
		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
0 ..	0	935	935	935	935	935	935	935	935	935	935	935	935
	1	57	57	57	57	57	57	57	57	57	57	57	57
	2	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3
	4 and over	4	4	4	4	4	4	4	4	4	4	4	4
1 ..	0	810	808	796	796	782	776	774	767	761	768	765	—
	1	179	180	193	193	207	212	214	221	227	219	217	—
	2	3	4	4	4	4	5	4	4	4	6	10	—
	3	2	2	2	2	2	2	2	2	2	2	0	—
	4 and over	5	5	5	5	5	6	5	5	6	6	8	—
2 ..	0	680	681	658	660	648	637	636	617	622	633	—	—
	1	289	288	309	307	323	325	330	348	340	330	—	—
	2	22	22	24	23	19	29	24	26	26	25	—	—
	3	3	3	3	3	4	3	3	5	4	4	—	—
	4 and over	6	6	6	6	6	6	7	6	7	8	—	—
3 ..	0	626	630	606	600	590	575	572	561	560	—	—	—
	1	302	300	322	324	338	338	342	346	353	—	—	—
	2	58	56	58	62	59	70	67	73	68	—	—	—
	3	7	7	7	7	6	10	9	12	8	—	—	—
	4 and over	7	7	7	7	7	7	9	8	11	—	—	—
4 ..	0	598	603	575	573	558	546	540	536	—	—	—	—
	1	295	294	316	313	333	329	332	326	—	—	—	—
	2	84	81	86	92	85	97	96	106	—	—	—	—
	3	14	13	14	13	14	18	20	20	—	—	—	—
	4 and over	9	9	8	9	10	9	12	11	—	—	—	—
5 ..	0	582	587	560	558	542	530	523	—	—	—	—	—
	1	289	289	311	305	325	320	324	—	—	—	—	—
	2	98	95	98	105	94	111	106	—	—	—	—	—
	3	20	18	20	20	26	27	30	—	—	—	—	—
	4 and over	11	11	11	12	13	13	17	—	—	—	—	—
6 ..	0	574	578	551	549	535	523	—	—	—	—	—	—
	1	285	285	305	301	316	312	—	—	—	—	—	—
	2	101	100	104	110	100	115	—	—	—	—	—	—
	3	25	23	26	26	34	33	—	—	—	—	—	—
	4 and over	14	14	14	15	15	17	—	—	—	—	—	—
7 ..	0	570	573	548	545	530	—	—	—	—	—	—	—
	1	282	282	300	296	311	—	—	—	—	—	—	—
	2	105	102	107	112	103	—	—	—	—	—	—	—
	3	28	26	28	29	38	—	—	—	—	—	—	—
	4 and over	15	16	16	18	18	—	—	—	—	—	—	—
8 ..	0	568	571	546	542	—	—	—	—	—	—	—	—
	1	281	281	299	295	—	—	—	—	—	—	—	—
	2	105	104	107	113	—	—	—	—	—	—	—	—
	3	30	26	30	30	—	—	—	—	—	—	—	—
	4 and over	17	18	19	20	—	—	—	—	—	—	—	—
9 ..	0	567	570	545	—	—	—	—	—	—	—	—	—
	1	281	280	299	—	—	—	—	—	—	—	—	—
	2	104	104	106	—	—	—	—	—	—	—	—	—
	3	30	26	30	—	—	—	—	—	—	—	—	—
	4 and over	18	20	20	—	—	—	—	—	—	—	—	—
10 ..	0	566	570	—	—	—	—	—	—	—	—	—	—
	1	280	279	—	—	—	—	—	—	—	—	—	—
	2	104	104	—	—	—	—	—	—	—	—	—	—
	3	31	26	—	—	—	—	—	—	—	—	—	—
	4 and over	18	21	—	—	—	—	—	—	—	—	—	—
11 ..	0	566	—	—	—	—	—	—	—	—	—	—	—
	1	281	—	—	—	—	—	—	—	—	—	—	—
	2	104	—	—	—	—	—	—	—	—	—	—	—
	3	31	—	—	—	—	—	—	—	—	—	—	—
	4 and over	18	—	—	—	—	—	—	—	—	—	—	—

Table XXXVI. Male births per 1,000 female births, by legitimacy and whether live or still, 1928 to 1962, England and Wales

Period	Legitimate births			Illegitimate births		
	Live	Still	Live and still	Live	Still	Live and still
1928–30 ..	1,044	1,231	1,051	1,037	1,280	1,049
1931–35 ..	1,051	1,207	1,057	1,044	1,153	1,049
1936–40 ..	1,054	1,183	1,059	1,050	1,117	1,054
1941–45 ..	1,061	1,158	1,064	1,074	1,173	1,078
1946–50 ..	1,061	1,169	1,063	1,056	1,238	1,061
1951–55 ..	1,059	1,126	1,060	1,061	1,229	1,066
1956–60 ..	1,060	1,078	1,061	1,055	1,084	1,056
1959	1,063	1,071	1,063	1,069	1,144	1,071
1960	1,061	1,048	1,063	1,048	1,064	1,049
1961	1,062	1,047	1,061	1,063	1,164	1,066
1962	1,060	1,056	1,060	1,058	1,103	1,059

Table XXXVII. Quarterly incidence of live births in relation to the average for the calendar year: ratio of quarterly daily average to that of the calendar year taken as 100, 1841 to 1962, England and Wales

Period	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1841–1850 ..	105	103	96	96
1851–1860 ..	105	104	96	95
1861–1870 ..	104	103	97	96
1871–1880 ..	103	102	98	97
1881–1890 ..	103	102	98	97
1891–1900 ..	102	102	99	97
1901–1910 ..	102	103	100	95
1911–1920 ..	103	102	99	96
1921–1930 ..	102	105	100	93
1931–1935 ..	101	106	101	92
1936–1940 ..	100	106	102	92
1941–1945 ..	100	104	99	97
1946–1950 ..	103	104	99	94
1951–1955 ..	103	105	99	93
1956–1960 ..	102	103	99	96
1959	105	104	98	93
1960	101	103	100	96
1961	102	103	100	96
1962	103	104	99	94

Table XXXVIII. Quarterly incidence of live births in relation to the average for the calendar year: ratio of quarterly daily average to that of the calendar year taken as 100, by legitimacy, 1939, 1951–55, 1959 to 1962, England and Wales

	1939	1951–55 average	1959	1960	1961	1962
			All live births			
1st Quarter ..	101	103	105	101	102	103
2nd Quarter ..	107	105	104	103	103	104
3rd Quarter ..	100	99	98	100	100	99
4th Quarter ..	92	93	93	96	96	94
			Legitimate live births			
1st Quarter ..	101	103	105	101	102	104
2nd Quarter ..	106	105	104	103	103	104
3rd Quarter ..	100	99	98	100	100	99
4th Quarter ..	93	93	93	96	96	94
			Illegitimate live births			
1st Quarter ..	106	104	103	97	97	99
2nd Quarter ..	108	107	104	103	101	104
3rd Quarter ..	99	98	99	101	101	98
4th Quarter ..	87	91	94	99	101	98

Table XXXIX. Monthly birth incidence in relation to the average for the calendar year, 1939, 1951–55, 1956–60, 1961 and 1962, England and Wales

Month of occurrence	Ratio of monthly daily average to that of the calendar year taken as 1,000									
	Legitimate live births					Illegitimate live births				
	1939	1951–55	1956–60	1961	1962	1939	1951–55	1956–60	1961	1962
January ..	980	994	986	986	984	1,076	998	975	947	953
February ..	995	1,030	1,033	1,009	1,035	1,041	1,049	1,026	953	983
March ..	1,041	1,063	1,071	1,062	1,088	1,080	1,074	1,036	1,008	1,041
April	1,073	1,056	1,047	1,036	1,036	1,046	1,078	1,036	1,030	1,013
May	1,078	1,065	1,046	1,030	1,056	1,138	1,084	1,044	1,008	1,067
June	1,043	1,035	1,009	1,014	1,017	1,044	1,056	1,026	992	1,054
July	1,025	1,009	985	999	992	1,038	1,020	988	1,008	989
August ..	985	968	963	987	987	960	941	968	998	980
September ..	1,004	991	1,005	1,007	989	969	970	1,009	1,015	972
October ..	939	936	967	967	940	959	890	966	977	962
November ..	914	913	934	931	934	853	900	949	985	1,004
December ..	927	941	956	972	945	889	950	985	1,060	983

Table XL. Live births by month of occurrence, seasonally adjusted, 1950 to 1962, England and Wales

Year	January	February	March	April	May	June	July	August	September	October	November	December
1950	59,900	59,300	58,700	58,200	57,600	57,000	57,000	57,400	58,000	58,300	58,000	57,700
1951	57,300	57,200	57,100	57,400	57,400	57,400	56,900	56,200	55,000	54,600	55,100	55,900
1952	56,100	56,000	56,100	56,100	55,500	55,300	55,600	56,400	56,700	56,900	56,700	56,400
1953	56,100	56,200	56,600	57,200	57,600	58,000	58,000	57,800	57,300	56,800	56,400	56,400
1954	56,600	56,600	56,400	56,400	56,300	56,300	55,700	55,700	55,900	56,100	55,900	56,000
1955	55,200	55,000	54,500	54,900	55,100	55,400	55,700	55,600	55,700	56,100	56,900	57,500
1956	57,400	57,800	58,200	58,600	58,300	58,400	58,700	58,900	58,500	58,300	58,400	58,700
1957	59,100	59,200	59,400	59,700	60,300	60,300	60,300	60,300	61,100	61,300	61,300	61,200
1958	61,300	61,900	61,700	61,800	60,800	59,900	59,900	60,700	62,000	63,000	63,700	63,900
1959	63,500	63,000	62,800	62,600	62,500	62,700	62,600	62,300	61,900	61,500	61,500	61,800
1960	63,100	64,000	64,400	64,500	64,900	65,600	65,600	66,000	66,200	66,900	66,900	67,100
1961	66,400	66,500	66,500	66,800	67,000	67,200	67,800	68,100	68,400	68,400	68,900	69,100
1962	69,700	69,800	69,900	70,200	70,100	70,100	70,000	69,800	69,700	69,800	69,900	69,700

Note.—The original figures for occurrences have been adjusted by removing the estimated regular seasonal fluctuations so that the trend and any random variations are left.

For diagram see page 49.

The increase in births since 1955

Introduction

At the time the population projection based on the mid-1955 population was made it was a reasonable continuation of recent trends, as had been the assumptions made by the Royal Commission on Population eight years before. The preceding ninety years had seen a continuous reduction in fertility, which was no doubt associated with the spread of knowledge about methods of family limitation. By the 1940's the spread of that knowledge was probably almost complete in Great Britain and it therefore seemed likely that the post-war level of fertility represented a normal level in a community at our level of culture and generally practising birth control. The war-time postponement of births and its partial making up in the immediate post-war period were expected and the stability of fertility in the early 1950's appeared to confirm this analysis of what happened in that period. It was recognised that economic and political conditions would cause fluctuations about a level trend, but if ultimate family size remained stable these fluctuations could only be short term, representing accelerations or postponements in family building. It may be easy to assail this reasoning now, but at the time all past experience and recent statistics seemed to be pointing in the same direction.

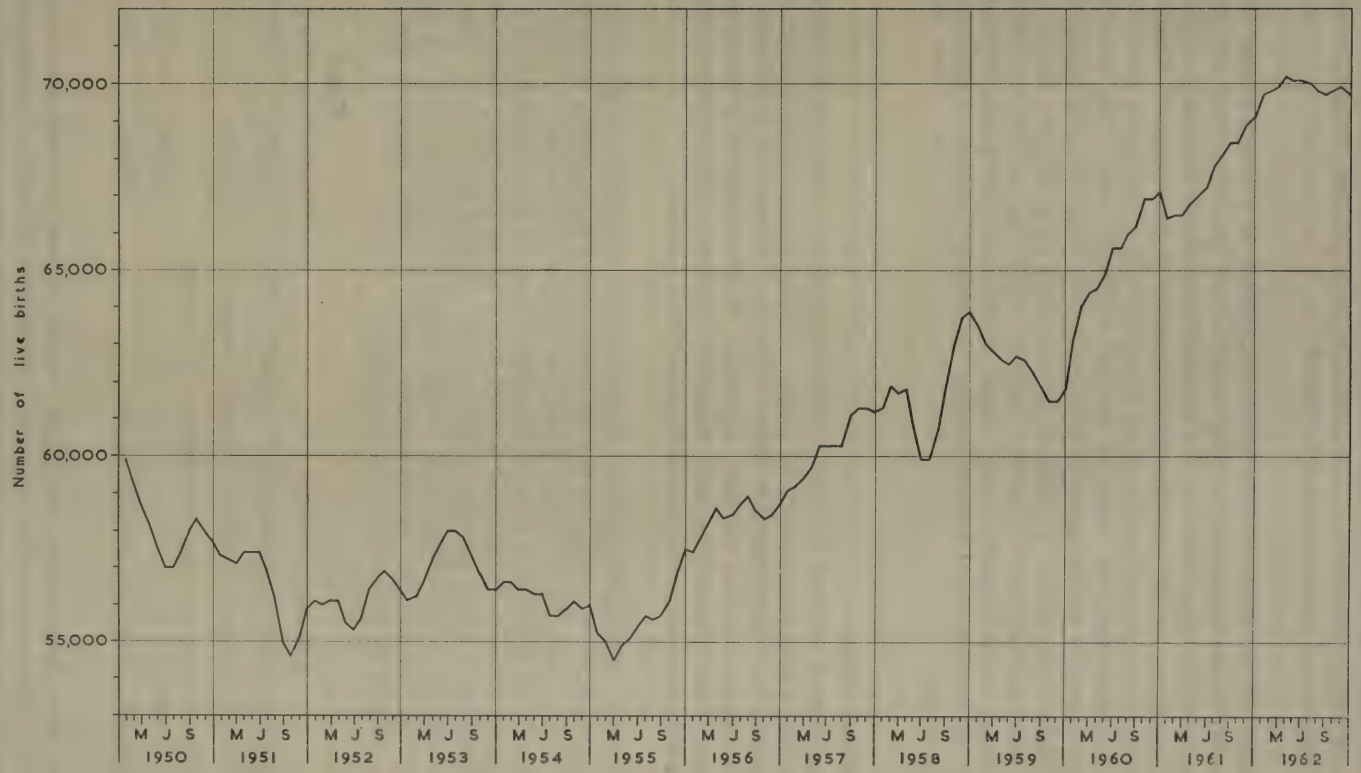
Then in 1956 came the sharp rise in births: the number jumped by more than 30,000 in one year to 700,000 and has since increased by an average of between 2 and 3 per cent a year until the number in 1963 (854,000) has almost reached the level of the post-war peak.

Table XLI. Change in number of live births, 1951 to 1963, England and Wales

Year	Live births	Per cent change since previous year	Ratio to 1955 (1955 = 1,000)
1951	677,529	− 2·8	1,015
1952	673,735	− 0·6	1,009
1953	684,372	+ 1·6	1,025
1954	673,651	− 1·6	1,009
1955	667,811	− 0·9	1,000
1956	700,335	+ 4·9	1,049
1957	723,381	+ 3·3	1,083
1958	740,715	+ 2·4	1,109
1959	748,501	+ 1·1	1,121
1960	785,005	+ 4·9	1,175
1961	811,281	+ 3·3	1,215
1962	838,736	+ 3·4	1,256
1963	854,055	+ 1·8	1,279

The increase since 1955 has not proceeded completely evenly. The annual figures in Table XLI themselves show increases varying between just over 1 per cent and nearly 5 per cent but they conceal a good deal of fluctuation within the year. Monthly figures from which the estimated effects of regular seasonal variation have been removed reveal an even more variable story.

Diagram 4



Live births by month of occurrence, seasonally adjusted, 1950 to 1962, England and Wales

In spite of the quite substantial fluctuations that have occurred it is now clear that they were fluctuations about a rising trend. Ten years ago hardly anyone expected such a change and it is important to try to discover precisely what has happened and, if possible, why it happened.

Certain of the factors which will be suggested as possible causes of this increase influence legitimate and illegitimate fertility alike but others are specific to one group or the other. In the sections immediately following, legitimate and illegitimate fertility are discussed separately in broad terms. There then follows a more detailed consideration of the increase in legitimate fertility since 1955 couched mainly in terms of changes in family sizes. The other most striking change in British demography in recent years has been the change from the historical net loss of population by migration to a net gain that in some years has been very large. The next section of this chapter considers how far the change in the migration story might have caused the change in the birth trend. Finally there is a brief section considering regional differentials in fertility trends.

Legitimate births

The increase between 1955 and 1962 in legitimate births was 23 per cent, which was a little less than for all births. It follows that the proportion of all births which are legitimate has fallen a little but, even so, in 1962 more than nine births out of every ten were legitimate. Consequently if it were possible to identify and quantify the main causes for the rise in legitimate births much of the total increase in births would thereby be explained.

Part of the increase in legitimate births is due to the growth of the number of married women. The effect of this growth has been estimated by applying the 1955 fertility rates to the 1962 population of married women. Further, the increase in the population of married women contains two elements. Not only has the total number of married women in the 15–49 age-group increased but the distribution within this age-group has also changed since 1955. There are now relatively more women at the younger ages where fertility rates are higher. Using the appropriate standardisation each of these elements has been estimated and the following division obtained:

	Effect	
Element of change	*Number*	*Percentage*
Total increase in legitimate live births 1955–1962	146,690	100·0
Due to increase in number of married women..	17,448	11·9
Due to younger age distribution of married women	31,588	21·5
Due to increased age fertility rates	97,654	66·6

The above figures show that 67 per cent of the rise has been due to higher fertility, 12 per cent to the increase in the number of married women and 21 per cent to the younger age distribution of married women within the 15 to 49 age range. The increase in legitimate births due to increased age fertility rates

is discussed on page 54. Before proceeding to consider that part of the total increase in legitimate births which is due to the changes in the population of married women it should be noted that no account has been taken so far of the distribution of the married women within any current age-group according to their marriage age and duration of marriage. The general reduction in the age at marriage means that the married women in any current age-group will have a younger *age-at-marriage* distribution and a longer duration of marriage distribution than would have been the case otherwise. These factors are discussed in the section on legitimate fertility—on page 54.

The above analysis of the total increase permits a useful perspective to be maintained when examining the possible future course of the number of births. For example, it seems probable that the number of women aged 15–49 will continue to increase. This increase will be slow for the next fifteen years but the numbers will grow more rapidly thereafter. From a 1962 total of 10,842 thousand the number of women in this age-group will rise at a rate of less than 0·2 per cent a year to 11,024 thousand in 1972 but thereafter it may rise more quickly at a rate of over one per cent a year in the next twenty years to reach 13,392 thousand in 1992 (see Table A5 in Part II). Within that very broad age-group the most recent forecast is that during the next ten years there will be an increase in the number of women aged 20–34 which is likely to be partly offset by a reduction in the numbers aged 15–19 and 35 and over. From 1972 onwards the number of women aged 15–19 will also be increasing and by 1982 there will be increases for all ages under 40. Thus the numbers of women aged 20–34—the peak marrying ages—will be rising the whole time. The effect of these changes in the total number of women on legitimate births may be modified by changes in marriage rates. Tables K and L in Part II indicate that the tendency to younger age at marriage has been apparent since the First World War but has become much more marked since the Second World War. Thus the mean age at marriage of spinsters decreased from 25·1 in 1916–20 and 25·54 in 1926–30 to 24·58 in 1941–45, 23·73 in 1956 and 23·03 in 1962. There seems no reason at the moment for supposing that this long-term trend will be reversed; it may be modified in the immediate future, however, by the effect on the relative supply of brides and bridegrooms of the fluctuation in the numbers of births around the end of the Second World War. Those born during these years will shortly be reaching the ages at which they are most likely to marry. For example those born in 1947, the peak year for births, celebrated their sixteenth birthday during 1963. In the past, brides have tended to marry husbands nearly three years older than themselves. The effect of this difference on the relative supply of brides and bridegrooms can be seen by relating the female births of a year to the male births three years earlier. Such a calculation produces the figures shown in Table XLII.

In a series of years with stable numbers of all live births the larger number of boys born would produce a " shortage " of something over 20,000 women compared with men born three years before; this is the situation at the start and the end of the period shown in Table XLII. During a period of steadily falling births there tends to be an even larger " shortage " of women but in a period of rising births on the other hand the " shortage " of women would be smaller or there could be a " shortage " of men. The period shown above is dominated by the large fluctuations in births during and immediately after the Second

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Table XLII. Comparison of female births with male births three years earlier, 1940 to 1955, England and Wales

Year of birth	Year in which 20th birthday will be reached	Female births (Thousands)	Excess of female births over male births three years earlier (Thousands)
1940	1960	288	− 26
1941	1961	282	− 36
1942	1962	316	—
1943	1963	332	+ 29
1944	1964	364	+ 67
1945	1965	330	− 6
1946	1966	398	+ 45
1947	1967	427	+ 39
1948	1968	376	+ 26
1949	1969	354	− 68
1950	1970	338	− 116
1951	1971	329	− 70
1952	1972	328	− 48
1953	1973	332	− 27
1954	1974	327	− 22
1955	1975	324	− 22

World War. Births were rising rapidly twenty years ago so in the next few years there is likely to be an excess of women at the relevant ages. This must lead in the short run either to some postponement of marriage or to a change in average age difference at marriage; it is not possible to say which. In 1962 the spinster marriage rates for the 15–19 age-group fell, but it would be unwise to attach significance to the figures for a single year, particularly as there was a similar fall for all ages under 30. For a few years following 1969—twenty years after the fall in births from the immediate post-war boom—there will be a marked " shortage " of women at the relevant ages which seems likely to last for about four years. It therefore seems likely that over the next ten years there will be considerable irregularity in first marriage rates and it is by no means certain that the present trend to younger age distribution of married women will continue unchecked. This trend contributed about a fifth of the total rise in legitimate fertility between 1955 and 1962; the effect may be smaller over the next ten years.

The argument in the previous paragraph concerns only women marrying under 25. The net result of these possible changes is that the total fertility of the under 25 group may fall. The effect of these fluctuations is likely to be limited to women under 25, so the number of married women aged 25 and over will continue to rise and, as the total fertility rate for this group seems likely to be maintained, there would be more births to this group.

Illegitimate births

Between 1955 and 1962 the number of illegitimate births rose much more rapidly than the number of legitimate births. Table XLIII shows the number of illegitimate births in each year since 1955, the annual percentage change and the ratio to the number in 1955.

Table XLIII. Change in number of illegitimate live births, 1951 to 1962, England and Wales

Year	Illegitimate live births	Per cent change since previous year	Ratio to 1955 (1955 = 1,000)
1951	32,771	− 7·0	1,052
1952	32,549	− 0·7	1,045
1953	32,503	− 0·1	1,044
1954	31,609	− 2·8	1,015
1955	31,145	− 1·5	1,000
1956	33,534	+ 7·7	1,077
1957	34,562	+ 3·1	1,110
1958	36,174	+ 4·7	1,161
1959	38,161	+ 5·5	1,225
1960	42,707	+ 11·9	1,371
1961	48,490	+ 13·5	1,557
1962	55,376	+ 14·2	1,778

1955 represented the lowest point reached since 1951 for illegitimate as well as for all births. The period since 1955 can be divided into two parts. From 1955 to 1959 the number of illegitimate births increased by about 5 per cent a year on average and from 1959 to 1962 it increased by about 13 per cent a year on average. This acceleration in illegitimate births to all mothers under 50 is generally reflected in illegitimate birth rates for mothers of different ages shown in Table XLIV.

Table XLIV. Illegitimate live birth rate: percentage increase over previous year, 1956 to 1962, England and Wales

Age of mother at birth	Year						
	1956	1957	1958	1959	1960	1961	1962
All ages under 45 ..	**11·5**	**5·9**	**6·0**	**5·5**	**11·7**	**13·7**	**10·0**
Under 20	14·9	8·1	5·8	6·4	17·3	18·1	7·9
20–24	12·9	6·0	9·7	7·0	13·1	17·6	15·4
25–29	10·6	7·5	8·3	10·2	20·3	17·1	17·5
30–34	14·2	6·8	7·9	8·5	13·3	16·9	11·9
35–39	10·9	7·6	1·3	1·1	8·3	16·5	14·1
40–44	5·6	1·4	8·1	4·9	22·8	4·5	9·4

A similar standardisation exercise to that used for legitimate births has been made with the following results:

Element of change	*Effect*	
	Number	*Percentage*
Total increase in illegitimate births 1955–1962 ..	+24,231	100·0
Due to change in number of unmarried women	− 2,426	− 10·0
Due to changed age distribution of unmarried women	− 5,210	− 21·5
Due to increase in fertility	+31,867	+131·5

In the analysis of legitimate births the three elements of higher fertility, increased marriage and younger age-at-marriage all worked in the same direction. For illegitimate births these factors pull in opposite directions, as would be expected. Increases in marriage rates and numbers of married women reduce the numbers of single women who account for 92 per cent of the population of unmarried women aged 15–49—the group conventionally regarded as "exposed to risk" for illegitimate births. The effect of the reduction in the number of unmarried women has been accentuated by changes in their age distribution. The total number of unmarried women between the ages of 15 and 49 has been reduced by 181,000. This reduction represents a balance between an increase of 266,000 at ages 15–19, where the illegitimate fertility rate is relatively low, and decreases of 307,000 at ages 20–39 where the illegitimate fertility rate is high and of 140,000 at ages 40–49.

The increase in legitimate fertility

More than half of the rise in the number of births since 1955 is attributable to increases in legitimate fertility rates. The rise in total births was 171 thousand and the effect of increased legitimate fertility rates was given as 98 thousand on page 50. An analysis of this latter increase according to age at maternity or age at marriage and duration of marriage could indicate the plausibility of some suggestions of likely causes of the rise in births. Table XLV shows the percentage increase between 1955 and 1962 in fertility rates classified by marriage duration and mother's age at maternity, and Table XLVI makes a similar comparison in terms of marriage duration and age at marriage. In both tables the comparison is limited to those women married once only. In both 1955 and 1962 about 98 per cent of all legitimate live births were to women married once only so no appreciable error is involved if the comparison is limited to this group.

Table XLV shows that there are variations but the general picture is clearly one of moderate increases for all ages and durations. The main exceptions are for the longest marriage durations for women aged over 35 at maternity. Similarly in Table XLVI the outstanding impression is of increases at all ages at marriage at all durations. One important exception is that for women married under the age of 20 the percentage increases in the rates tend to rise up to duration 11 and then to decrease to duration 15. For longer durations the fertility rates have actually fallen: these form the only group of decreases shown in this table. Reference to Table 2(b) in Appendix A (see page 303) shows that this fall is part of a long-term trend: for those married under 20 there has been a persistent tendency for the shorter duration fertility rates to rise and the rates for longer duration to fall. This has resulted in quicker family building for this age-at-marriage group. For women married at age 20 or over there is, however, no clear pattern in the percentage increases. There is certainly no evidence here of an acceleration of the completion of an unchanged ultimate family size; such a change would be reflected in the pattern noticed for women married under 20; increases in the rates at short durations are compensated by decreases in the rates at longer durations. The evidence of Tables XLV and XLVI suggests that the period from 1955 to 1962 has been a period of generally buoyant fertility resulting from a factor or set of factors which have affected women of practically all ages and durations of marriage.

Table XLV. Percentage increase in fertility rates by age of mother at birth and duration of marriage, 1955 to 1962. Women married once only, England and Wales

Age of mother at birth	Duration of marriage (completed years)													
	All durations	0	1	2	3	4	5	6	7	8	9	10–14	15–19	20–24	25 and over
All ages under 50 ..	**19·3**	**24·7**	**13·6**	**26·9**	**27·6**	**24·2**	**18·8**	**25·2**	**24·3**	**26·4**	**27·3**	**25·5**	**26·3**	**0·0**	**0·0**
Under 20	13·6	18·9	9·5	11·3	−7·4	—	—	—	—	—	—	—	—	—	—
20–24	12·9	13·8	10·3	22·7	18·0	14·0	1·9	4·2	−1·5	15·3	—	—	—	—	—
25–29	17·5	25·1	15·6	25·8	30·0	23·7	18·1	21·9	16·8	15·3	21·9	26·5	—	—	—
30–34	15·6	26·5	12·3	30·5	33·3	26·9	23·3	26·4	26·9	30·0	24·4	22·2	8·1	—	—
35–39	4·1	26·5	6·8	21·3	23·7	13·3	11·1	17·5	11·6	14·1	14·3	16·7	0·0	−5·7	—
40–49	0·0	42·4	34·1	33·3	18·2	26·7	−3·3	20·8	22·7	27·8	17·6	25·0	22·2	0·0	0·0

Table XLVI. Percentage increase in fertility rates by age at marriage and duration of marriage 1961–62 compared with 1954–55. Women married once only, England and Wales

Age at marriage	Duration of marriage (completed years)																					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	25
All ages under 45 ..	25·1	11·3	27·1	24·6	17·3	22·8	24·2	25·0	25·3	20·5	28·6	29·1	10·2	21·1	21·9	19·2	20·0	23·5	38·5	36·4	12·5	0·0
Under 20	11·1	7·0	14·3	9·7	7·3	8·9	10·4	12·2	16·0	23·6	24·2	35·3	11·0	27·3	9·1	1·6	−3·6	−19·6	−11·4	−5·3	−12·1	−12·5
20–24	17·7	8·3	25·9	24·2	16·0	22·9	23·0	22·2	22·2	19·0	25·0	26·7	9·1	13·3	21·6	16·1	3·8	9·5	11·8	0·0	0·0	*0·0*
25–29	33·3	14·0	33·0	29·7	20·8	25·2	22·9	17·6	18·5	11·8	31·2	19·5	9·7	27·3	23·5	7·7	42·9	20·0	0·0	−0·5	0·0	—
30–34	26·1	11·1	25·3	23·2	5·6	11·0	15·8	19·6	9·8	10·0	25·0	23·1	−11·1	33·3	50·0	0·0	—	—	—	—	—	—
35–39	31·7	1·2	32·6	17·3	12·3	2·7	30·0	0·0	−16·7	100·0	*100·0*	—	—	—	—	—	—	—	—	—	—	—
40–44	66·7	42·9	0·0	85·7	0·0	*0·0*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table XLVII. Percentage increase in fertility rates by birth order between 1954–55 and 1961–62 by duration of marriage, England and Wales

Marriage duration in completed years	All ages at marriage under 45					
	Number of previous children					
	Total	0	1	2	3	4 or more
0	25·1	23·6	75·0	0·0	0·0	0·0
1	11·3	4·7	34·6	50·0	0·0	0·0
2	27·1	14·4	35·7	41·7	100·0	0·0
3	24·6	10·0	29·0	41·4	50·0	0·0
4	17·3	2·0	15·4	31·6	40·0	50·0
5	22·8	5·9	17·1	41·7	46·2	50·0
6	24·2	9·1	19·6	33·3	42·9	42·9
7	25·0	13·3	17·9	34·5	26·7	30·0
8	25·3	30·0	20·7	32·0	28·6	25·0
9	20·5	28·6	13·6	22·7	23·1	14·3
10	28·6	40·0	26·7	27·8	25·0	30·8
11	29·1	25·0	16·7	33·3	27·3	28·6
12	10·2	0·0	11·1	7·7	10·0	14·3
13	21·1	0·0	16·7	10·0	12·5	33·3
14	21·9	100·0	0·0	12·5	14·3	36·4
15	19·2	0·0	33·3	16·7	40·0	30·0
16	20·0	0·0	0·0	0·0	25·0	37·5
17	23·5	0·0	0·0	0·0	0·0	25·0
18	38·5	0·0	0·0	0·0	33·3	28·6
19	36·4	0·0	0·0	50·0	50·0	33·3
20	12·5	0·0	0·0	100·0	100·0	0·0
21	0·0	0·0	0·0	0·0	0·0	0·0
22	0·0	0·0	0·0	0·0	0·0	0·0
23	0·0	0·0	0·0	0·0	0·0	0·0
24	0·0	0·0	0·0	0·0	0·0	0·0

The figures in Table XLVII have been computed by dividing the rates which appear in Appendix B (page 308) relating to 1961–62 with similar figures for 1954–55. The figures for the individual parities must be regarded with some caution; the parity classification is only approximate and comparison between the same durations for the two years must be partly confused by any effect due to changing age at marriage within the under 45 group.

Nevertheless certain features are apparent in Table XLVII. The column for all parities reflects the lack of any clearly marked influence of duration of marriage. As regards the individual parities, the percentages increase from left to right in the upper part of the table. This indicates that the rise in fertility has produced a rise in the rates for second, third and fourth or higher order children rather than for first children and is likely to result in larger families. This effect is clear up to duration 7 and for duration 12 and over. For the intervening marriage durations there seems to be a more general rise in the individual parity rates which may be related to the marriage years involved in the comparison. Durations 8 to 11 in 1954–55 represented marriages of 1943–46, related to the years of the boom in births, when the fertility rates at very short

durations of marriage for women who married at 20–29 were somewhat higher than in the years on either side of this period. This meant that a higher proportion of such women would start their family shortly after marriage than would women marrying in more normal years such as 1950–53 which are the years involved at these durations in 1961–62.

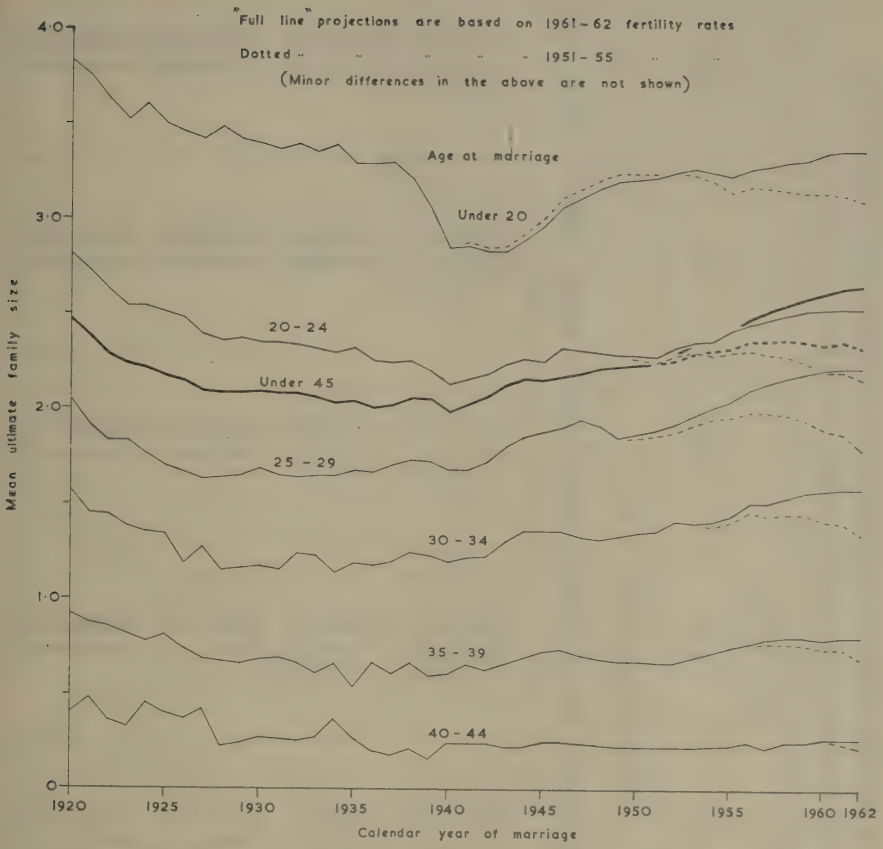
Changes in ultimate family size

The period up to the Second World War saw " marriage cohorts " (i.e. women married in a particular year) with steadily decreasing ultimate family sizes. These ultimate family sizes decreased from 6·16 for women married in 1861 to 1869 to 3·30 for those married in 1900 to 1909 and to 2·08 for those married in 1929. The fertility experienced during the Second World War and for the first 10 years following apparently checked this long-term decline. Up to 1955 there was little evidence against the idea that the spread of family limitation through society was almost complete and that therefore ultimate family size would stabilize at about the level needed for replacement. It is worth considering whether the experience of the last seven years has provided sufficient evidence to challenge the conclusion from this assumption. The question could be put another way: has the recent rise in fertility rates been sufficient to make it much more likely that the size of family ultimately achieved by the women now passing through their fertile years will be significantly higher than that achieved by women married in earlier years? There can be no definite answer to such a question until women married recently have been married long enough either to have completed a substantial part of their family building, perhaps 15 years, or alternatively for their achieved family size to have exceeded the ultimate family size of earlier marriage cohorts.

Table XLVIII and Diagram 5 show mean ultimate family sizes by age at marriage for women married in each year since 1920. For women married in the earlier years their completed family size is known but those married since 1931 have not all completed their childbearing and projections have to be made from the position reached in 1962 in order to estimate their mean ultimate family size. The first projection base shown uses future fertility rates by age at marriage and marriage duration equal to the mean of those experienced in 1951 to 1955; the second uses similar rates for 1961 to 1962. Apart from those married under 20 it makes little difference which projection is used for marriages before 1950.

It is clear from Table XLVIII and Diagram 5 that the average ultimate family size of women married at all ages under 45 is rising. Even the lower of the two projection bases implies that the ultimate family size of recently married women would be up to the level achieved by the women married in the early nineteen-twenties. This would represent a sustained rise from the low figures for women married during the period 1935 to 1940. However, the figures for the individual age-at-marriage groups indicate that this rise in the average family size of women married at all ages under 45 is largely due to changes in age at marriage. The age at marriage has been falling throughout the period under consideration, more rapidly in recent years, which means that a growing proportion of women have married when still young and so have had larger families. This has tended to produce an increasing average ultimate family size for the whole under 45 group.

Diagram 5



Mean ultimate family size of marriage cohorts since 1920, all marriage ages under 45, England and Wales

It seems likely that decreasing average age at marriage will have an effect on the mean ultimate family sizes of the individual age-at-marriage groups. There are various possibilities here. Family size could simply be a function of age at marriage as would be expected if family size were dependent only on the length of time that each woman was " exposed to risk ". At the other extreme would be a situation where family size depended wholly on the cultural, economic or general social background of the woman and was therefore wholly independent of the age at marriage. The failure of family sizes of the younger age-at-marriage groups to fall very much as the proportion of women marrying at these ages rises appears to rebut the second of these extreme hypotheses and the generally widespread practice of family limitation makes the first extreme very implausible. On the whole it would seem more likely that the fall in the age at marriage would tend to produce a depressing effect on the family size of an age-at-marriage group. An exception would be if the less fertile section of an age-at-marriage group tended to marry younger; this would certainly tend to depress the family size of the younger age-group but might increase the average family size of the older age-group from which they have moved.

Table XLVIII. Mean ultimate family size of marriage cohorts since 1920, by age at marriage, England and Wales

Mean ultimate family sizes that include a projected element of 20 per cent or more are shown below the dotted lines.

Year of marriage	Age at marriage													
	Under 45		Under 20		20–24		25–29		30–34		35–39		40–44	
	Projected element: fertility rates of													
	1951–55	1961–62	1951–55	1961–62	1951–55	1961–62	1951–55	1961–62	1951–55	1961–62	1951–55	1961–62	1951–55	1961–62
1920	2·47		3·83		2·81		2·04		1·57		0·92		0·41	
1921	2·38		3·75		2·72		1·91		1·45		0·87		0·48	
1922	2·28		3·62		2·62		1·83		1·44		0·85		0·36	
1923	2·23		3·52		2·54		1·83		1·38		0·81		0·32	
1924	2·21		3·60		2·54		1·76		1·35		0·78		0·45	
1925	2·17		3·50		2·51		1·70		1·34		0·81		0·40	
1926	2·14		3·46		2·48		1·67		1·19		0·74		0·37	
1927	2·09		3·42		2·39		1·63		1·27		0·68		0·42	
1928	2·08		3·48		2·36		1·64		1·15		0·67		0·22	
1929	2·08		3·42		2·37		1·65		1·16		0·66		0·24	
1930	2·09		3·40		2·35		1·69		1·17		0·68		0·27	
1931	2·08		3·37		2·35		1·65		1·15		0·69		0·26	
1932	2·08		3·40		2·34		1·64		1·24		0·66		0·25	
1933	2·06		3·36		2·32		1·65		1·23		0·61		0·27	
1934	2·03		3·40		2·30		1·65		1·14		0·66		0·36	
1935	2·04		3·30		2·32		1·68		1·19		0·54		0·27	
1936	2·01		3·31	3·30	2·26		1·67		1·18		0·67		0·20	
1937	2·02		3·31	3·31	2·25		1·71		1·20		0·61		0·18	
1938	2·06		3·23	3·22	2·26		1·74		1·25		0·67		0·21	
1939	2·05		3·08	3·07	2·21		1·73		1·23		0·60		0·16	

1940	1·99		2·87	2·86	2·13		1·69		1·20		0·61		0·24					
1941	2·03		2·89	2·87	2·17	2·16	1·69		1·22		0·66		0·24					
1942	2·08	2·07	2·86	2·84	2·20	2·19	1·73		1·23		0·63		0·24					
1943	2·14	2·13	2·87	2·84	2·25	2·24	1·81		1·31		0·67		0·22					
1944	2·18	2·17	2·94	2·91	2·28	2·27	1·86		1·37		0·70		0·23					
1945	2·17	2·16	3·02	2·98	2·26	2·26	1·89		1·37		0·73		0·25					
1946	2·19	2·18	3·13	3·08	2·34	2·33	1·91		1·37		0·74		0·25					
1947	2·21	2·20	3·18	3·13	2·32	2·32	1·94	1·95	1·34		0·71		0·24					
1948	2·22	2·22	3·23	3·18	2·30	2·31	1·91	1·92	1·32		0·69		0·23					
1949	2·23	2·23	3·26	3·22	2·29	2·30	1·85	1·86	1·34		0·68		0·22					
*1950	2·24	2·24	3·26	3·23	2·28	2·30	1·86	1·88	1·36		0·68		0·22					
1951	2·24	2·25	3·26	3·24	2·26	2·29	1·87	1·90	1·37		0·67		0·22					
1952	2·27	2·31	3·27	3·27	2·30	2·34	1·89	1·93	1·42		0·67		0·22					
1953	2·31	2·36	3·26	3·29	2·32	2·37	1·93	1·98	1·40	1·41	0·70		0·22					
1954	2·32	2·39	3·22	3·27	2·30	2·38	1·96	2·02	1·40	1·42	0·72		0·23					
1955	2·34	2·43	3·17	3·25	2·32	2·43	1·97	2·06	1·42	1·45	0·74	0·75	0·23					
1956	2·38	2·50	3·20	3·29	2·33	2·47	2·00	2·12	1·48	1·52	0·76	0·77	0·25					
1957	2·38	2·54	3·19	3·31	2·31	2·49	2·00	2·16	1·46	1·52	0·78	0·80	0·22					
1958	2·39	2·58	3·18	3·33	2·30	2·52	1·99	2·19	1·47	1·55	0·78	0·81	0·26	0·25				
1959	2·38	2·61	3·17	3·34	2·27	2·54	1·96	2·21	1·47	1·58	0·77	0·81	0·25	0·25				
1960	2·36	2·64	3·17	3·38	2·22	2·55	1·91	2·23	1·43	1·59	0·75	0·80	0·27	0·27				
1961	2·38	2·67	3·16	3·39	2·22	2·56	1·89	2·24	1·42	1·60	0·75	0·81	0·25	0·27				
1962	2·34	2·68	3·12	3·39	2·18	2·56	1·81	2·24	1·36	1·60	0·70	0·81	0·22	0·27				

* Family sizes for 1950 have been arbitrarily estimated.

It appears from Table XLVIII that both the effects mentioned at the end of the last paragraph may be reflected in recent experience in England and Wales. The Second World War had a considerable impact on the family sizes of women married under 20. A feature of this group of marriages in normal times is the particularly high fertility rates at very short marriage durations. The fertility rate of women married in 1961 was 0·480 in the first year of marriage for those married under 20 compared with 0·344 for all those married at ages under 45; to some extent such high rates result from pre-marital conceptions. Under wartime conditions, with men in the Armed Forces being moved about at short notice, fewer of these extra-marital conceptions could be legitimated by the marriage of the parents before the birth of the child. This was reflected in the rise in the illegitimate birth rate from 5·7 per 1,000 unmarried women aged 15–44 in 1939 to 16·1 in 1945 and a reduction in the family size of those who did marry under 20 in those years. If the parents of such children later married, they would probably include the children in the answers to census questions on family size and the children would contribute to the relatively large achieved family size, and hence the expected ultimate family size, of women who married at ages 20–29 in the 1942–49 period. Thus, the fluctuations of the wartime cohorts married under 25 are the result of specifically wartime influences and can be ignored for present purposes. Leaving them out of account, there is some evidence of a slow fall in the ultimate family size of these groups. This would be consistent with the " dilution " of these groups by women who would formerly have married at older ages and are still subject to the social and cultural factors which tend to produce smaller family sizes. This falling trend would be more naturally continued by the set of figures implied by using the 1951–55 fertility rates, or figures a little higher than that, for the projected element.

For women married at ages 25–34, on the other hand, there has been a slow but steady rise in ultimate family size beginning with those married in 1935. Such a rise could be due to the transfer to younger marriage ages of women with a tendency to relatively low fertility, e.g. due to their social or cultural background. A more likely cause may be the general rise in short duration fertility rates which have a relatively greater effect on women marrying at these older ages than on those marrying younger. The tendency over the most recent years to stability in the family sizes of these older women may be due to an assertion of the " dilution " effect. On the whole, however, the projected figures using the 1961–62 fertility rates, or rates a little lower, seem a more natural sequel to the earlier figures for these older age-at-marriage groups.

This interpretation of the figures in Table XLVIII suggests that the trend in family size for women marrying under 25 is downward while the current trend for women marrying at older ages is upward. It remains true, of course, that the level of the family sizes of women marrying under 25 is well above the level among women marrying at older ages. The reduction in the age at marriage is tending to increase the weighting of the younger groups in any average computed for the under 45 group as a whole, and hence still to increase the mean ultimate family size for the whole group of women married in a given year. The long-term prospects would therefore appear to be that the under 45 mean ultimate family size will continue to rise if marriage ages continue to fall but that the speed of the rise will be moderated as family sizes at the younger marriage ages continue to decrease slowly. It seems likely that the present trends

within the 20–29 age-groups will be checked in the near future in a way which will maintain the family size of women marrying at 20–24 above that of women marrying at ages 25–29.

It appears from this discussion that the overall effect of the reduction in marriage age is greater than appears as the result of the standardisation exercise mentioned earlier. This simple standardisation takes no account of the fact that the women of a given current age now have a younger age-at-marriage distribution than women of the same current age in earlier years. Table XLVIII shows that the projected mean ultimate family size for women married at ages under 45 in 1962 using the 1962 age-at-marriage distribution is 2·68. Using the 1952 age-at-marriage distribution would reduce this to 2·52.

The effect of migration

The rise in births since 1955 has in a general way run parallel with the increase in net immigration. This increase is known to be largely an increase in immigration from the West Indies and other areas with fertility higher than that current in England and Wales. It is not possible to obtain comprehensive fertility data from many of the areas from which there has been migration into England and Wales. However, as an example, the total live birth rates specific for age of mother in 1956 in England and Wales and in Jamaica were as follows:

	Under 50	Under 20	20–24	25–29	30–34	35–39	40–44	45–49
England and Wales ..	56·8	27·3	146·7	150·6	88·2	45·5	12·4	0·8
Jamaica*	122·3	128·4	274·2	246·9	167·2	97·2	36·6	6·3

* United Nations Demographic Year Book, 1959.

Owing to the lack of full statistical information on the sex, age and marital condition of immigrants or emigrants it is not possible to calculate with any precision the effect of the increase in immigration on the number of births. It certainly cannot be assumed for example that the above fertility differentials will hold for the selected groups who migrate to and from this country. A very rough sum may, however, serve to give an estimate of the possible dimensions of this effect. During the period between mid-year 1955 and mid-year 1962 there was a net inward migration balance for women aged 15–39 of about 150,000 which was made up of an estimated outward movement of about 600,000 and an inward movement of about 750,000. By 1962 the immigrants can be assumed to have been in this country for an average of about four years. If these women had the same fertility as women in England and Wales they would have had 303,000 births during this period while the women of the same ages who emigrated during this period would have produced about 242,000 births so that the net effect of migration would be to add 61,000 births to the number otherwise to be expected. If, on the other hand, it is supposed that the immigrant women had fertility rates which were in the same ratio to England and Wales as the rates for Jamaica quoted above, then the net increase would rise to 369,000.

This second number would represent a very substantial contribution to the total " excess fertility " of the 1955 to 1962 period, for the rise in births since 1955 added 673,000 births during that period. It seems likely, however, that the above figure of 369,000 may well be an approach to an upper limit. In the first place, the calculation assumes that the immigrants and emigrants are mutually exclusive categories. To the extent that the same women appear in both groups the difference between the fertility of the two groups will be reduced. Secondly, by no means all the immigrants in this age-group will have come from areas with as high fertility as that of Jamaica. Very considerable numbers have in fact come from the Irish Republic though their effect on these estimates is likely to be less than their numbers would imply as they are more likely to return to their country of origin than are immigrants from further afield.

In spite of these limitations it would seem to be reasonable to assume that the recent increase in immigration has played a considerable part in the rise in births since 1955. The rise in immigration could well have added something of the order of 200,000 extra births during the 1955 to 1962 period which would account for between 25 and 30 per cent of the total additional births. (In the analyses of the increases in legitimate and illegitimate births on pages 50 and 53 this immigration effect mainly forms part of the changes due to increased age fertility rates.) The effect of the Commonwealth Immigration Act has so far been to reduce considerably the flow of immigration from the countries of the Commonwealth. It is very difficult to forecast the future level of migration but at the moment it seems likely that future migration will show only a small inward balance. If so, the 1955 to 1962 increase in births would seem to contain a temporary element which is unlikely to be repeated.

Region and conurbation differentials

By using unpublished estimates for 1956 and census figures for 1961 it is possible to calculate separate legitimate and illegitimate fertility rates in the different parts of the country for 1956 and 1961. Although this is not the whole of the period under review in this chapter it is a large enough part of it for the figures to throw some light. The increases in fertility rates during the five years are shown in Tables XLIX and LII separately for each five-year age-group in the range 15-44 and, for the 15-44 group, standardised to the age pattern for England and Wales.

The increases are particularly large in the Greater London, West Midlands and South East Lancashire Conurbations. It is interesting that in 1956 the legitimate fertility rates in these conurbations were amongst the lowest in any region or conurbation of the country. The differences are much smaller outside these three conurbations but generally it is true that the higher the standardised legitimate fertility rate in 1956, the lower the percentage increase in the standardised rate by 1961. Whatever the causes of the differences in the rates of increase may have been, their effect was to reduce regional variations in fertility rates. This is clearly shown in Table L, where the areas are arranged in descending order of their age-standardised legitimate fertility rates in 1956.

Table XLIX. Comparison of legitimate live birth rates of 1956 with those of 1961 (1956 = 1,000), England and Wales, standard regions, Wales and conurbations

Area	Age of mother at birth						
	15–44*	15–	20–	25–	30–	35–	40–44
ENGLAND AND WALES	**1,145**	**1,125**	**1,088**	**1,131**	**1,148**	**1,024**	**1,123**
Regions and conurbations:							
Northern	**1,085**	**1,165**	**1,040**	**1,059**	**1,079**	**939**	**1,099**
Tyneside Conurbation	1,096	1,140	1,040	1,078	1,129	928	1,040
Remainder of Northern	1,081	1,173	1,040	1,052	1,060	943	1,118
East and West Ridings	**1,140**	**1,145**	**1,077**	**1,143**	**1,110**	**1,022**	**1,099**
West Yorkshire Conurbation	1,151	1,087	1,103	1,162	1,102	1,028	1,106
Remainder of East and West Ridings	1,132	1,181	1,061	1,132	1,115	1,016	1,088
North Western	**1,153**	**1,123**	**1,103**	**1,123**	**1,132**	**1,065**	**1,197**
South East Lancashire Conurbation	1,187	1,144	1,129	1,173	1,140	1,110	1,294
Merseyside Conurbation	1,108	1,127	1,058	1,066	1,121	1,032	1,036
Remainder of North Western	1,153	1,101	1,110	1,117	1,139	1,059	1,224
North Midland	**1,143**	**1,191**	**1,122**	**1,113**	**1,123**	**994**	**1,098**
Midland	**1,169**	**1,078**	**1,098**	**1,181**	**1,194**	**1,032**	**1,092**
West Midlands Conurbation	1,222	1,057	1,127	1,261	1,270	1,077	1,101
Remainder of Midland	1,120	1,099	1,069	1,106	1,123	991	1,096
Eastern	**1,048**	**1,092**	**1,028**	**1,005**	**1,016**	**968**	**1,069**
London and South Eastern	**1,221**	**1,115**	**1,141**	**1,213**	**1,267**	**1,103**	**1,155**
Greater London Conurbation	1,252	1,095	1,160	1,255	1,308	1,141	1,173
Remainder of London and South Eastern	1,122	1,182	1,080	1,078	1,147	990	1,096
Southern	**1,090**	**1,108**	**1,026**	**1,071**	**1,139**	**947**	**981**
South Western	**1,105**	**1,107**	**1,052**	**1,090**	**1,082**	**984**	**1,162**
Wales	**1,125**	**1,162**	**1,072**	**1,134**	**1,103**	**941**	**1,075**
Wales I (South East)	1,127	1,133	1,053	1,167	1,113	914	1,065
Wales II (remainder)	1,119	1,270	1,132	1,042	1,069	1,018	1,112

* Age-standardised.

Table L. Age-standardised legitimate fertility rates of married women aged 15–44, 1956 and 1961, standard regions and conurbations

Area	1956	Percentage increase 1956–1961	1961
Merseyside Conurbation	138·5	11	153·4
Wales II (remainder)	121·3	12	135·8
Remainder of Northern Region	119·8	8	129·5
Tyneside Conurbation	119·1	10	130·6
Southern Region	114·6	9	124·9
Eastern Region	114·4	5	119·9
South Western Region	111·2	10	122·8
Remainder of Midland Region	109·2	12	122·2
South East Lancashire Conurbation	109·0	19	129·3
Wales I (South East)	108·9	13	122·7
Remainder of North Western Region	108·8	15	125·5
Remainder of London and South Eastern Region	108·6	12	121·8
Remainder of East and West Ridings Region	106·9	13	121·0
West Yorkshire Conurbation	106·2	15	122·3
North Midland Region	104·1	14	118·9
West Midlands Conurbation	103·1	22	125·9
Greater London Conurbation	96·3	25	120·6

One possible cause of the more rapid rise in fertility rates in the Greater London and West Midlands Conurbations is economic conditions. Measured by unemployment rates London and the Midlands were the most prosperous parts of the country between 1956 and 1961. This was equally true during relatively depressed periods such as the winter of 1958–59 and during relatively prosperous periods such as the spring and summer of 1960. Unemployment rates are not available separately for the conurbations but only for standard regions.

Table LI. Unemployment rates* in standard regions of England and Wales

Standard regions	December 1958	June 1960
London and South Eastern ..	1·4	0·8
Midland	1·8	0·7
Eastern and Southern	1·7	0·9
North Midland	1·8	0·9
East and West Ridings	2·3	1·0
South Western	2·6	1·3
North Western	3·3	1·8
Northern	3·2	2·5
Wales	4·1	2·3

* Number registered as unemployed expressed as a percentage of the estimated total number of employees.

Source: Ministry of Labour.

This correspondence between prosperity and the rate of increase of fertility rates does not prove that one caused the other. For one thing the correspondence is not exact; the Eastern and Southern Regions had unemployment rates almost as low as London and the Midlands but fertility rates only increased slowly there. For another thing, the relative prosperity of London and the Midlands was associated with another feature which has already been suggested as a possible cause of rising fertility rates, namely immigration from the West Indies, India and Pakistan. At the 1961 Census, for example, nearly three-quarters of the people who were enumerated in England and Wales and born in the West Indies, India and Pakistan were enumerated in the Greater London, West Midlands and South East Lancashire Conurbations. That alone could go some way to explain the regional variations in the rates of increase of legitimate fertility rates.

The proportional changes from 1956 to 1961 in illegitimate fertility rates are shown in Table LII.

All of the increases in illegitimate fertility rates are much larger than the increases in legitimate fertility rates for the same parts of the country. The ranking of the increases in illegitimate fertility is slightly different from the ranking of increases in legitimate fertility rates. The top two places still go to the Greater London and West Midlands Conurbations but third place goes to the West Yorkshire Conurbation. There is perhaps less reason to suppose that economic prosperity affects illegitimate fertility and it seems more likely that the explanation of the regional differences in the percentage increase in illegitimate fertility rates must be sought elsewhere.

Table LII. Comparison of illegitimate live birth rates of 1956 with those of 1961 (1956 = 1,000), England and Wales, standard regions, Wales, and conurbations

Area	Age of mother at birth						
	*15–44	15–	20–	25–	30–	35–	40–44
ENGLAND AND WALES	1,452	1,683	1,604	1,653	1,366	1,268	1,404
Regions and conurbations:							
Northern	1,302	1,691	1,605	1,305	1,112	1,072	1,709
Tyneside Conurbation	1,508	1,686	1,938	1,774	1,224	1,102	2,334
Remainder of Northern	1,224	1,696	1,483	1,137	1,070	1,062	1,450
East and West Ridings	1,462	1,806	1,659	1,737	1,412	1,115	1,525
West Yorkshire Conurbation	1,565	1,928	1,841	1,765	1,361	1,407	1,791
Remainder of East and West Ridings	1,374	1,715	1,511	1,702	1,472	901	1,337
North Western	1,458	1,574	1,652	1,757	1,408	1,210	1,326
South East Lancashire Conurbation	1,517	1,583	1,751	1,826	1,508	1,239	1,617
Merseyside Conurbation	1,384	1,551	1,543	1,678	1,300	1,117	974
Remainder of North Western	1,433	1,591	1,597	1,694	1,344	1,243	1,290
North Midland	1,424	1,558	1,592	1,675	1,573	1,095	1,566
Midland	1,493	1,924	1,688	1,664	1,343	1,420	1,205
West Midlands Conurbation	1,633	2,133	1,884	1,803	1,505	1,445	1,293
Remainder of Midland	1,315	1,704	1,432	1,453	1,149	1,385	1,106
Eastern	1,328	1,444	1,400	1,487	1,394	1,288	1,243
London and South Eastern	1,539	1,696	1,652	1,756	1,415	1,437	1,582
Greater London Conurbation	1,579	1,741	1,692	1,762	1,477	1,500	1,673
Remainder of London and South Eastern	1,362	1,545	1,449	1,668	1,165	1,202	1,273
Southern	1,349	1,695	1,317	1,462	1,372	1,404	1,270
South Western	1,421	1,737	1,689	1,389	1,350	1,279	1,092
Wales	1,363	1,733	1,412	1,867	1,025	1,079	1,324
Wales I (South East)	1,428	1,784	1,513	1,936	1,135	1,142	1,343
Wales II (remainder)	1,239	1,640	1,218	1,736	809	914	1,303

* Age-standardised.

Note on the nine-month convention for pre-marital conceptions

It has been the practice in earlier commentary volumes to make reference to changes in the frequency of pre-marital conception. The presentation of certain tables in Part II, such as II, JJ, MM and OO is arranged in a way which permits the ready identification of this group. The assignment of a birth to the " pre-maritally conceived " group cannot be made from the registration records but has to be inferred by assuming a length of pregnancy and assigning all births where the interval between marriage and birth was less than this assumed interval to the " pre-maritally conceived group ".

It has always been recognised that there must be an element of approximation in this assignment and that the period of nine months hitherto used might, by ignoring the possibility of premature births, produce too high an estimate of pre-marital conceptions. The above assumption has now been re-examined and as a result figures published in the *Statistical Review* for 1962 onwards will be based on the assumption that eight months between marriage and birth is a more reasonable limit for the purpose of estimating numbers of pre-marital conceptions.

The information on which the investigation was based relates to all 23,970 live and still births that occurred in 1947 in Birmingham C.B. to mothers domiciled in the city.* A distribution of the length of gestation (defined as the length of amenorrhoea, i.e. the interval between the first day of the last recorded menstrual period and the birth) was obtained from this information, limited to the 17,384 single births for which duration of gestation was stated.

The main further assumption made for the present use of that information is that conception can only occur at about the period of ovulation and it has also been assumed for simplicity that this occurs only at 28 day intervals. This restriction does not seem to be critical.

Consider first a mother who was at risk of conception exactly two weeks after the date of marriage. Then the distribution of the interval between marriage and birth will coincide with the distribution of length of gestation as defined above. (Ovulation is generally assumed to occur about half way through the 28 day cycle). This distribution has a mean of 280 days with a standard deviation of 15·8 days and a percentage distribution in weeks as follows:

Weeks	Per cent	Weeks	Per cent	Weeks	Per cent
28	0·16	36	2·55	44	1·35
29	0·15	37	4·46	45	0·72
30	0·20	38	8·68	46	0·34
31	0·41	39	19·87	47	0·17
32	0·44	40	28·10	48	0·13
33	0·74	41	17·63	49	0·05
34	0·89	42	8·31	50	0·01
35	1·71	43	2·90	51	0·02
					100·00

This means that for any one conception taken in isolation, a limit of 9 calendar months which corresponds to 39 weeks or 273 days would classify as maritally conceived any birth occurring in or after the 39th week and hence, on the above distribution, those births occurring in the 38th week or before (about 20 per cent of the total) would be wrongly classified; if the limit were to be 8 calendar months, i.e. 34·6 weeks or 243 days, then only about 2½ per cent would be wrongly classified.

Clearly, however, births occurring in these weeks can be produced not only from conception at the date of ovulation under consideration but from conceptions at the dates of ovulation preceding or following it. If it is assumed that conceptions can only take place at 28 day intervals (this is not strictly true but variation of two or three days will again not be critical) then births arising from a conception four weeks earlier than that under consideration will be distributed as above but shifted four weeks earlier. If all the conceptions which could

* Gibson, J. R. and McKeown, Thomas. Observations on all births (23,970) in Birmingham, 1947: I. Duration of Gestation. *British Journal of Social Medicine.* Vol. 4. 1950, pp. 221–233.

produce births within the time under consideration are brought into the reckoning we obtain a table such as Table LIII where all the numbers have been multiplied by 100. The right-hand side of Table LIII shows the total expected births on any given week and the number and the proportion of this total who were conceived after marriage.

Table LIII. Distribution of births from successive conception dates for women whose likely conception date is two weeks after date of marriage. 1947 Birmingham C.B.*

Week after marriage	Births arising from conception at								Total	Conceived in marriage	
	C−4	C−3	C−2	C−1	C	C+1	C+2	C+3		No.	Percentage
30	34	831	868	89	20	—	—	—	1,842	20	1·1
31	17	290	1,987	171	41	—	—	—	2,506	41	1·6
32	13	135	2,810	255	44	16	—	—	3,273	60	1·8
33	5	72	1,763	446	74	15	—	—	2,375	89	3·7
D 34	1	34	831	868	89	20	—	—	1,843	109	5·9 D
35	2	17	290	1,987	171	41	—	—	2,508	212	8·5
36	—	13	135	2,810	255	44	16	—	3,273	315	9·6
C											C
37	—	5	72	1,763	446	74	15	—	2,375	535	22·5
38	—	1	34	831	868	89	20	—	1,843	977	53·0
A											A
39	—	2	17	290	1,987	171	41	—	2,508	2,199	87·7
40	—	—	13	135	2,810	255	44	16	3,273	3,125	95·5
B											B
41	—	—	5	72	1,763	446	74	15	2,375	2,298	96·8
42	—	—	1	34	831	868	89	20	1,843	1,808	98·1
43	—	—	2	17	290	1,987	171	41	2,508	2,489	99·2
44	—	—	—	13	135	2,810	255	44	3,273	3,260	99·6
45	—	—	—	5	72	1,763	446	74	2,375	2,370	99·8
46	—	—	—	1	34	831	868	89	1,843	1,842	99·9
47	—	—	—	2	17	290	1,987	171	2,508	2,506	99·9
48	—	—	—	—	13	135	2,810	255	3,273	3,273	100·0

* See note at foot of page 68.

Notes—1. The few births arising from conceptions later than C +3 have not been shown but are included in the Total column.

2. C is the first ovulation following marriage at which conception is likely to occur, C + 1 the second ovulation, etc.

The 9 calendar month limit is shown by the line A–A and an indication is given D–D of the 8 month limit, i.e. the week labelled 34 would be split. The effect of the 9 month limit is to count as pre-maritally conceived all births occurring in the 38th and 37th weeks after marriage when over half the former and between a fifth and a quarter of the latter will actually have been conceived within marriage. The error actually involved is rather larger than indicated by these proportions because, as Table II in Part II shows, the number of births at marriage durations of 7 or 8 months is considerably lower than at durations of 9 or 10 months and hence it seems likely that the number of pre-maritally conceived births in the earlier weeks are fewer in proportion to the total than Table LIII would indicate because Table LIII implicitly assumes equal numbers of conceptions at each possible date. Bearing this qualification in mind the evidence of Table LIII suggests that the nine-month convention should be shortened by one week and that if a " lenient " convention is desired an eight-month convention appears better than the nine-month convention.

The nine-month convention is definitely on the " harsh " side in the sense that it is probably a better instrument for ensuring that pre-maritally conceived are not counted as maritally conceived than for discriminating against the other type of error.

So far we have considered only those women at risk of conception exactly two weeks after marriage and who can therefore be regarded as the average for present purposes. Turning to the extreme cases and taking first those women who are at risk of conception on the date they marry, the distribution of births will have the same distribution as the women already considered but shifted two weeks, i.e. the 9 month line in Table LIII will be moved down two lines to the lower dotted position B-B. The effect of this is to count as pre-maritally conceived births occurring in the weeks labelled 39 and 40 in Table LIII in which 88 per cent and 96 per cent respectively of the births were in fact conceived in marriage. This is clearly a distortion and for these women an eight-month convention would be far more appropriate.

On the other hand for the women at the other extreme who are at risk of conception four weeks after marriage the effect is to shift the 9 month line upwards to the position marked C-C in Table LIII. For these women the 9 month limit seems reasonably appropriate.

The consequence of the substitution of a limit of 8 months for the previous one of 9 months, would be to shift the line A-A in Table LIII to D-D. The effect of such a change is to move from a position where the convention is rather harsh to one where it would be lenient—even for the group of women who are worst placed from this point of view, i.e. those who are at risk of conception on or just after their marriage date. Nevertheless this 8 month limit is more reasonable by the fact that there is a clear dip between the peak of pre-marital conceptions which occur at marriage durations of 4 to 6 months and which are probably marriages occasioned by pregnancy and the peak at durations 9 and 10 months which seems likely to arise from conceptions about the date of the marriage. The latter are likely to represent a rather different situation from the births at shorter marriage durations even if in some cases the actual conception takes place a short while before the actual marriage, i.e. the marriage has been settled before the conception occurs as opposed to the former situation where the conception seems likely to have been a factor in precipitating the marriage.

GENERAL MORTALITY

The crude death rate of 11·9 per thousand living in 1962 showed little change from that of 1961 (12·0), which was the highest for ten years. In 1961 the influenza epidemic was partly responsible for the increased rates, and the effect of this was replaced in 1962 by many more deaths caused by diseases of the circulatory system (ICD Nos. 400–468), bronchitis (ICD Nos. 500–502) and lung cancer (ICD Nos. 162 and 163). When allowance was made for the changing age structure of the population however, the mortality again compared favourably with previous years, the Standardised Mortality Ratio (S.M.R.) of 92 (1950–52 = 100) being the same as in 1961. The crude death rates for males and females separately in 1962 were 12·6 and 11·3 per thousand respectively, and the S.M.Rs. 96 and 89, showing little change from 1961. Since 1952 there has been little if any decline in mortality in males as judged by the S.M.R., while a small but definite improvement has been shown in the case of females during the last five years.

Of the 557,636 total deaths in 1962, 72,794 were assigned to respiratory disease (ICD Nos. 470–527). The S.M.R. of this group of diseases was 106 for males and 93 for females, making a slight improvement on the corresponding figures of 108 and 94 in 1961. This decrease was mainly due to the fact that influenza incidence was high in 1961. The other main groups of respiratory diseases show an increase. This can be seen from the crude death rates, no correction being necessary for the small change in population age structure occurring in the course of a single year. For bronchitis the crude rate increased from 679 per million in 1961 to 713 in 1962, while that for pneumonia (ICD Nos. 490–493 and 763) rose from 649 to 679 per million. Comparison with the previous ten years, on the other hand, makes it clear that mortality due to respiratory disease was unusually high in both 1961 and 1962. The S.M.Rs. for pneumonia in 1962 were 127 for males and 143 for females, and those for bronchitis 107 and 69. All these figures were the highest since 1956, while the S.M.Rs. for pneumonia in males and females and for bronchitis in males exceeded those of any year in the preceding decade.

The S.M.R. for diabetes in males which rose from 93 in 1960 to 103 in 1961 was again high at 102 in 1962, and it would appear that mortality from this condition has been increasing in both sexes, particularly in the older age-groups.

Notifiable diseases

There were 66 notifications of smallpox in the outbreak of 1962, the greatest number for this disease since 1952 when there were 135. There was also a modest increase in the number of typhoid cases, from 97 in 1961 to 130 in 1962. For all other common notifiable diseases, with the exception of dysentery and ophthalmia neonatorum, fewer notifications were received in 1962 than in 1961 and, apart from measles, than in any year since 1951. Whooping cough notifications, at 8,348, were little more than a third of the 24,469 cases notified in 1961, previously the lowest recorded. Paralytic poliomyelitis, after a temporary rise in 1961 (707 cases), resumed its downward trend totalling only 212 cases in 1962 compared with an annual average of 2,608 in the years 1952–57.

Ophthalmia neonatorum notifications which had been decreasing regularly to reach 932 in 1961 rose slightly to 1,017, and dysentery notifications increased from 20,418 in 1961 to 30,924 in 1962 which, however, was still less than the 43,285 cases notified in 1960.

The death rate from tuberculosis continued to decrease in both sexes. The S.M.R. for females after standing at 19 for both 1960 and 1961 fell to 16 in 1962.

Cancer

Among the neoplasms which have shown increased death rates since 1961 are cancer of the lung (ICD Nos. 162 and 163) which is discussed elsewhere in this *Review*, and carcinoma of the kidney (ICD No. 180) and bladder (ICD No. 181) in males. The S.M.R. for bladder cancer rose from 108 in 1961 to 116 in 1962 and that for cancer of the kidney from 111 to 123. In view of evidence associating cigarette smoking with bladder cancer it is of interest that since1952 the death rates below 65 years of age have not increased, but in older males, where mortality due to this neoplasm is greatest, the increase has been marked ranging from about 15 per cent in the age-group 65–74 to nearly 50 per cent in men over 85 years.

The S.M.R. for leukaemia and aleukaemia (ICD No. 204) reached a peak of 134 in 1960 for males, settling again to 123 in 1962. From Table XCIII which presents the death rates at different ages for acute leukaemia (ICD No. 204·3) separately from other forms, it appears that this peak was mainly due to a temporary rise in the acute form. The death rate for acute leukaemia and aleukaemia in females has risen a little more steeply (from 22 per million in 1958 to 27 per million in 1962) than that for the remainder, but shows no other irregularity.

Diseases of the circulatory system

The 1962 crude death rate for these diseases of 4,656 per million in males represented a 1·6 per cent increase over 1961. In females there was a very slight decrease (0·4 per cent), the rate in 1962 being 4,282 per million.

Conditions which contributed to the increase in males were arteriosclerotic heart disease including coronary disease (ICD No. 420) which rose from 2,613 (S.M.R. 140) per million in 1961 to 2,767 (S.M.R. 149) in 1962, and aortic aneurysm, non-syphilitic and dissecting aneurysm (ICD No. 451) which increased by 11 per million in 1962. On the other hand, falling rates in other myocardial degeneration (ICD No. 422), hypertensive heart disease (ICD Nos. 440–443) and other hypertensive disease (ICD Nos. 444–447) offset part of the effect of cardiac conditions associated with increasing mortality. Those cardiovascular diseases which had increased or decreased death rates for males in 1962 showed much the same trend in females, save that the crude female death rate for arteriosclerotic heart disease rose by little more than half of that experienced by males.

The mortality ascribed to functional disease of the heart not specified as psychogenic (ICD No. 433), which includes heart block and other disorders of cardiac rhythm, has been declining since 1958 in both sexes, and the crude death rate in females fell from 139 per million in 1961 to 128 in 1962, the largest decrease for this sex in recent years. This almost certainly represents a growing tendency to certify such deaths to the underlying disease, which may also account for small increases in the death rates for various other cardiac diseases.

Infant mortality and stillbirths

The infant mortality rate (deaths under 1 year per 1,000 live births) was 21·7 in 1962 compared to 21·4 in 1961, the lowest yet recorded. The increase was mainly due to more deaths caused by the respiratory infections, pneumonia (ICD Nos. 490–493 and 763) and bronchitis (ICD Nos. 500–502). On the other hand, the rates for birth injury (ICD Nos. 760–761), post-natal asphyxia and atelectasis (ICD No. 762) and immaturity (ICD Nos. 774–776) in 1962 were lower than in previous years and, as these are common causes of deaths which occur soon after birth, the early neonatal mortality (deaths under 1 week per 1,000 live births) was only 13·0, showing an improvement on 1961 (13·3).

The stillbirth rate (stillbirths per 1,000 total live and stillbirths) which has been dropping rapidly for the last four years, decreased further from 19·0 in 1961 to 18·1 in 1962. Registration of the causes of stillbirth began on the 1st October 1960 and a full discussion of the findings in 1961 is contained in Part III of the *Review* for that year. Comment on the 1962 figures will be found on page 225 of this volume.

Maternal mortality

The maternal mortality rate at 0·35 per thousand total (live and still) births in 1962 marked a slight check to the previous steady decline, the rate in 1961 (0·33) having been the lowest ever recorded. The conditions which contributed to this small increase from 274 deaths in 1961 to 299 in 1962 were ectopic pregnancy (IDC No. 645), abortion without mention of sepsis or toxaemia (ICD No. 650) and puerperal pulmonary embolism (ICD No. 684).

Table 29 of Part I of this *Review* shows that notifications for puerperal fever and pyrexia have dropped steadily from 12,351 in 1952 to 7,147 in 1962. The number of maternal deaths due to this cause (ICD No. 681—sepsis of childbirth and the puerperium) is small and inclined to fluctuate annually, but comparison of 1952–1954 (29 deaths) with 1960–1962 (20 deaths) suggests that the mortality is decreasing as well.

Other trends

From Table 8 of Part I of this *Review* it is apparent that mortality from appendicitis has been steadily decreasing so that in the ten years following 1952 it has almost halved itself. As the same table shows an increase in the rate for diverticulitis, it might be considered that some of the improvement in the figures for appendicitis represented a change in diagnostic standards rather than a genuine decrease in the mortality. That this is unlikely is apparent from the fact that under the age of 45 years, when diverticulitis is uncommon, there were 347 appendicitis deaths in 1952 and only 136 in 1962.

The death rate from genito-urinary conditions has been decreasing in the last decade. In Part III of the *Review* for 1960 attention was drawn to the marked decline in mortality from nephritis and nephrosis, and the less pronounced increase in deaths due to kidney infection. These trends have continued through 1961 and 1962. Since 1952 there has also been a 38 per cent decrease in the crude death rate ascribed to prostatic hypertrophy. It is now well known that among patients who appear to be suffering from this condition clinically a high incidence of prostatic cancer is found at surgery or post-mortem, but an improvement in diagnosis of this kind cannot be responsible for the decreased incidence since the increase in prostatic cancer between 1952 and 1962 is 27 per million, as opposed to a decrease of 78 per million for prostatic hypertrophy.

Table LIV. Crude annual death rates per 1,000 living, and Standardised Mortality Ratios, 1841 to 1962, England and Wales

Period	Crude death rate per 1,000 living		Standardised Mortality Ratio* (1950–52 = 100)	
	Males	Females	Males	Females
1841–1850	23·1	21·6	320	396
1851–1860	23·1	21·4	313	384
1861–1870	23·7	21·4	319	383
1871–1880	22·7	20·1	308	362
1881–1890	20·3	18·1	281	327
1891–1900	19·3	17·1	268	307
1901–1910	16·4	14·4	221	248
1911–1920	15·1	13·0	187	207
1921–1930	12·9	11·4	142	159
1931–1940	13·0	11·5	125	136
1941–1950	12·5	10·9	104	107
1951–1960	12·3	10·9	96	92
1941	14·0	11·8	124	127
1942	12·5	10·5	109	111
1943	12·7	11·1	109	114
1944	12·6	10·7	106	108
1945	12·3	10·7	103	106
1946	12·2	10·9	101	106
1947	12·9	11·2	106	108
1948	11·5	10·1	93	95
1949	12·3	11·1	99	103
1950	12·3	11·0	98	101
1951	13·4	11·8	106	106
1952	12·2	10·5	96	93
1953	12·2	10·7	96	94
1954	12·2	10·5	95	91
1955	12·5	10·9	97	93
1956	12·5	10·9	96	92
1957	12·3	10·7	94	88
1958	12·4	11·0	95	90
1959	12·3	11·0	94	89
1960	12·2	10·9	92	87
1961	12·6	11·4	95	90
1962	12·6	11·3	96	89

* Civilians only, 1914–1918 and 1939–1949.

Table LV. Abridged life table, 1960–62, England and Wales

Males		Age x	Females	
l_x	$\mathring{e}_x$		l_x	$\mathring{e}_x$
10,000	68·1	0	10,000	74·0
9,757	68·8	1	9,812	74·4
9,741	67·9	2	9,800	73·5
9,732	67·0	3	9,792	72·5
9,725	66·0	4	9,786	71·6
9,719	65·1	5	9,781	70·6
9,696	60·2	10	9,765	65·7
9,676	55·3	15	9,752	60·8
9,632	50·6	20	9,734	55·9
9,578	45·8	25	9,711	51·0
9,530	41·1	30	9,682	46·2
9,472	36·3	35	9,639	41·4
9,383	31·6	40	9,574	36·6
9,245	27·0	45	9,471	32·2
9,008	22·7	50	9,309	27·5
8,600	18·7	55	9,064	23·2
7,906	15·1	60	8,704	19·0
6,861	12·0	65	8,131	15·2
5,516	9·3	70	7,261	11·7
3,917	7·1	75	5,957	8·8
2,316	5·2	80	4,220	6·3
984	3·9	85	2,320	4·5

This abridged life table is constructed from the estimated *home* population in 1960, 1961 and 1962, and the total deaths registered in those years.

The column headed l_x shows, for each sex, the numbers who would survive to exact age x out of 10,000 born who were subject throughout their lives to the recorded age death rates of the period.

Column $\mathring{e}_x$ is the " expectation of life ", that is, the average future lifetime which would be lived by persons aged exactly x, if likewise subject to those death rates.

Table LVI. Expectation of life at birth and at age 1 year, 1838 to 1962, England and Wales

From English Life Table	Year	Expectation of life at			
		Birth		Age 1 year	
		Males	Females	Males	Females
No. 1	1841	40·2	42·2	46·7	47·6
2	1838–44	40·4	42·0	47·0	47·4
3	1838–54	39·9	41·9	46·7	47·3
4	1871–80	41·4	44·6	48·1	50·1
5	1881–90	43·7	47·2	51·0	53·2
6	1891–1900	44·1	47·8	52·2	54·5
7	1901–10	48·5	52·4	55·7	58·3
8	1910–12	51·5	55·4	57·5	60·3
9	1920–22	55·6	59·6	60·1	63·0
10	1930–32	58·7	62·9	62·3	65·5
11	1950–52	66·4	71·5	67·7	72·4
From annual Abridged Life Tables	1943	61·6	67·3	64·1	69·3
	1944	62·2	68·3	64·4	70·1
	1945	62·6	68·8	65·0	70·6
	1946	64·5	69·4	66·8	71·0
	1947	64·5	69·3	66·6	70·9
	1948	66·4	71·2	68·0	72·3
	1949	66·0	70·6	67·5	71·7
	1950	66·5	71·2	67·8	72·1
	1951	65·8	70·9	67·1	71·7
	1952	67·1	72·5	68·2	73·2
	1953	67·3	72·5	68·4	73·3
	1954	67·6	73·1	68·6	73·7
	1955	67·5	73·0	68·5	73·6
	1956	67·8	73·3	68·6	73·8
	1957	67·9	73·6	68·7	74·1
	1958	68·0	73·7	68·7	74·2
	1959	68·1	73·8	68·8	74·3
	1960	68·3	74·1	69·0	74·6
	1961	68·0	73·8	68·7	74·2
	1962	68·0	73·9	68·7	74·3

Table LVII. Annual death rates per 1,000 living, by quarters in each year 1931 to 1962, with ratios to each yearly rate taken as 100, England and Wales

	Death rate per 1,000 living				Ratio to yearly rate taken as 100			
	March	June	September	December	March	June	September	December
1931	16·5	11·5	9·6	11·7	134	93	78	95
1932	15·4	11·6	9·7	11·5	128	97	81	96
1933	17·1	10·8	9·4	12·0	139	88	76	98
1934	14·6	11·8	9·6	11·2	124	100	81	95
1935	13·2	12·0	9·8	12·0	113	103	84	103
1936	15·1	11·8	9·7	12·0	125	98	80	99
1937	16·2	11·6	9·7	12·3	131	94	78	99
1938	13·6	11·6	9·9	11·5	117	100	85	99
1939	15·1	11·7	9·9	11·8	125	97	82	98
1940	20·6	11·9	10·8	14·1	143	83	75	98
1941	18·4	14·2	10·1	11·5	136	105	75	85
1942	15·8	12·0	9·8	11·6	128	98	80	94
1943	14·5	11·7	10·1	15·7	112	90	78	121
1944	15·3	12·0	11·0	12·7	120	94	87	100
1945	16·5	11·5	10·0	12·6	131	91	79	100
1946	15·4	11·2	9·7	11·9	128	93	81	99
1947	17·6	11·3	9·2	11·4	143	92	75	93
1948	12·4	10·3	9·4	11·7	113	94	85	106
1949	15·2	11·2	9·3	11·8	129	95	79	100
1950	14·0	11·1	9·3	12·3	120	95	80	106
1951	19·1	11·1	9·1	11·0	153	89	73	88
1952	13·4	10·6	8·9	12·4	119	94	79	110
1953	15·8	10·4	8·9	10·7	139	91	78	94
1954	14·0	10·6	9·3	11·4	124	94	82	101
1955	15·4	11·2	9·1	11·1	132	96	78	95
1956	15·3	10·8	9·3	11·3	131	92	79	97
1957	12·2	10·6	9·7	13·4	106	92	84	117
1958	14·7	11·0	9·3	11·7	126	94	79	100
1959	15·8	10·6	9·0	11·1	136	91	78	96
1960	13·1	10·9	9·8	12·2	114	95	85	106
1961	15·6	10·9	9·5	11·9	130	91	79	99
1962	15·5	11·1	9·4	11·9	130	93	79	100

Table LVIII. Average annual death rates per 1,000 living, by sex and age, 1841 to 1962, England and Wales

	Males									Females								
	All ages	0–*	1–	5–	15–	25–	45–	65–	85 and over	All ages	0–*	1–	5–	15–	25–	45–	65–	85 and over
1841–1850 ..	23·1	167		7·24	8·23	11·2	23·6	89·6	312·3	21·6	137		7·27	8·50	11·6	21·1	82·4	293·3
1851–1860 ..	23·1	168		6·79	7·71	10·9	23·2	86·8	308·2	21·4	139		6·84	7·98	10·9	20·1	80·0	288·9
1861–1870 ..	23·7	168		6·43	7·26	11·5	24·8	87·7	315·0	21·4	139		6·25	7·30	10·7	20·6	79·8	285·1
1871–1880 ..	22·7	163		5·29	6·24	11·3	26·1	90·2	327·4	20·1	134		5·05	6·12	9·92	21·0	80·9	296·4
1881–1890 ..	20·3	155		4·20	4·97	9·79	25·5	89·4	305·8	18·1	128		4·23	4·97	8·76	20·6	78·9	270·8
1891–1900 ..	19·3	168		3·40	4·38	8·82	25·2	89·4	286·8	17·1	138		3·49	4·06	7·58	20·3	79·5	261·4
1901–1910 ..	16·4	140		2·80	3·61	7·16	22·3	82·7	279·2	14·4	114		2·91	3·20	5·60	17·5	71·6	250·3
1911–1920 ..	15·1	112		2·93	4·16	7·05	20·2	81·4	274·5	13·0	89		2·97	3·53	5·54	15·2	67·6	243·6
1921–1925 ..	12·9	86		2·10	3·06	5·24	16·9	76·2	272·7	11·4	66		2·05	2·83	4·26	12·8	64·0	241·2
1926–1930 ..	12·9	77		2·06	2·93	4·84	17·0	76·3	298·1	11·4	59		1·90	2·67	3·97	12·4	62·5	254·4
1931–1935 ..	12·7	70	6·88	1·84	2·81	4·23	16·6	75·1	278·9	11·4	54	6·23	1·71	2·51	3·67	11·9	61·0	245·0
1936–1940 ..	13·3	62	5·00	1·60	2·64	3·95	17·3	76·2	286·3	11·6	48	4·40	1·40	2·17	3·22	11·5	60·1	252·7
1941–1945 ..	12·8	56	3·72	1·44	2·99	3·72	15·7	69·0	226·1	10·9	44	3·26	1·13	1·98	2·84	9·86	52·6	206·6
1946–1950 ..	12·2	41	1·90	0·79	1·42	2·58	14·5	69·9	241·6	10·9	32	1·62	0·59	1·29	2·17	8·79	52·1	208·9
1951–1955 ..	12·5	30	1·23	0·52	1·05	2·05	13·9	75·5	265·9	10·9	23	1·04	0·37	0·60	1·60	8·02	51·9	222·0
1956–1960 ..	12·3	25	0·99	0·44	1·00	1·82	13·5	74·1	239·2	10·9	20	0·82	0·30	0·45	1·34	7·43	49·4	212·5
1956	12·5	27	0·98	0·43	0·93	1·85	13·5	75·8	256·2	10·9	20	0·83	0·30	0·45	1·40	7·55	51·0	222·7
1957	12·3	26	1·04	0·46	1·03	1·86	13·7	73·5	226·8	10·7	20	0·90	0·32	0·49	1·41	7·59	48·7	199·2
1958	12·4	25	0·99	0·44	0·95	1·81	13·5	75·1	242·6	11·0	20	0·77	0·27	0·45	1·32	7·45	49·9	215·6
1959	12·3	25	1·00	0·43	1·03	1·79	13·5	73·9	240·0	11·0	20	0·81	0·31	0·44	1·30	7·34	49·3	215·4
1960	12·2	25	0·95	0·45	1·03	1·79	13·4	72·4	232·1	10·9	19	0·78	0·30	0·40	1·25	7·23	48·1	210·4
1961	12·6	24	1·04	0·44	1·01	1·81	13·8	74·8	257·4	11·4	19	0·80	0·28	0·45	1·27	7·40	50·1	227·1
1962	12·6	24	0·94	0·44	1·00	1·76	14·0	74·6	267·3	11·3	19	0·77	0·29	0·42	1·29	7·43	49·2	226·8

* Per thousand live births; related live births from 1931 to 1956

Table LIX. Deaths, death rates per million living, and Standardised Mortality Ratios (1950–52 = 100), from selected causes, by sex, 1953 to 1962, England and Wales

		1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
All causes											
Deaths	M	259,490	259,797	266,976	267,904	266,407	270,639	269,878	269,172	280,782	285,154
	F	244,039	242,099	251,888	253,427	248,463	256,204	257,773	257,096	270,970	272,482
Rate	M	12,237	12,204	12,482	12,451	12,306	12,447	12,332	12,196	12,565	12,589
	F	10,655	10,532	10,927	10,947	10,682	10,965	10,969	10,855	11,376	11,345
S.M.R.	M	96	95	97	96	94	95	94	92	95	96
	F	94	91	93	92	88	90	89	87	90	87
Tuberculosis, all forms (001–019)											
Deaths	M	5,964	5,392	4,533	3,804	3,414	3,207	2,810	2,502	2,406	2,282
	F	2,938	2,505	1,959	1,571	1,370	1,273	1,044	933	928	806
Rate	M	281	253	212	177	158	147	128	113	108	101
	F	128	109	85	68	59	54	44	39	39	34
S.M.R.	M	69	62	52	43	38	36	31	27	26	24
	F	61	52	41	33	28	26	21	19	19	16
All malignant neoplasms (140–205)											
Deaths	M	45,935	47,313	48,160	48,935	50,056	50,735	51,783	52,779	53,441	54,735
	F	41,989	42,782	43,180	43,775	43,961	45,069	45,334	46,009	46,474	46,873
Rate	M	2,166	2,223	2,252	2,274	2,312	2,333	2,366	2,391	2,392	2,416
	F	1,833	1,861	1,873	1,891	1,890	1,929	1,929	1,943	1,951	1,952
S.M.R.	M	102	103	104	105	106	106	107	108	108	109
	F	98	98	98	97	96	97	97	97	96	96
Malignant neoplasm of stomach (151)											
Deaths	M	8,016	7,818	7,942	7,712	7,951	7,934	7,930	7,846	7,784	7,722
	F	6,176	6,232	6,146	6,163	5,966	6,178	6,146	6,107	6,004	5,874
Rate	M	378	367	371	358	367	365	362	356	348	341
	F	270	271	267	266	257	264	262	258	252	245
S.M.R.	M	98	95	95	91	93	92	91	88	87	85
	F	93	92	90	89	84	85	83	81	79	76
Malignant neoplasm of trachea, bronchus and lung (162, 163)											
Deaths	M	12,835	13,941	14,761	15,544	16,358	17,040	18,181	18,882	19,460	20,278
	F	2,239	2,323	2,438	2,553	2,670	2,780	2,882	3,118	3,350	3,501
Rate	M	605	655	690	722	756	784	831	856	871	895
	F	98	101	106	110	115	119	123	132	141	146
S.M.R.	M	114	122	128	133	138	142	149	153	156	160
	F	104	107	111	115	118	121	124	132	140	145
Malignant neoplasm of breast (170)											
Deaths	M	81	80	77	69	70	73	62	63	81	79
	F	8,115	8,315	8,449	8,522	8,552	8,949	8,708	9,059	9,286	9,351
Rate	M	4	4	4	3	3	3	3	3	4	3
	F	354	362	367	368	368	383	371	382	390	389
S.M.R.	M	128	125	119	105	105	109	92	92	117	113
	F	99	100	100	100	99	101	97	100	102	101
Malignant neoplasm of uterus (171–174)											
Deaths	F	3,926	3,827	3,844	3,921	3,912	4,115	4,003	4,088	3,981	4,015
Rate	F	171	166	167	169	168	176	170	173	167	167
S.M.R.	F	94	91	90	91	89	93	89	90	87	87
Leukaemia and aleukaemia (204)											
Deaths	M	1,116	1,142	1,223	1,229	1,301	1,301	1,315	1,476	1,408	1,392
	F	1,005	1,018	1,001	1,086	1,093	1,085	1,219	1,218	1,237	1,315
Rate	M	53	54	57	57	60	60	60	67	63	61
	F	44	44	43	47	47	46	52	51	52	55
S.M.R.	M	108	110	117	116	122	121	121	134	126	123
	F	109	110	107	115	115	113	125	124	125	131

Table LIX—*continued*

		1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Diabetes mellitus (260)											
Deaths	M	1,066	1,048	1,084	1,108	1,013	1,152	1,100	1,193	1,331	1,330
	F	2,128	1,980	2,207	2,134	2,124	2,163	2,093	2,366	2,538	2,481
Rate	M	50	49	51	51	47	53	50	54	60	59
	F	93	86	96	92	91	93	89	100	107	103
S.M.R.	M	89	87	89	90	81	92	87	93	103	102
	F	86	78	86	82	80	80	77	85	90	87
Vascular lesions affecting central nervous system (330–334)											
Deaths	M	28,762	30,516	31,098	31,034	30,537	31,298	30,897	31,006	31,160	31,673
	F	39,307	41,626	43,054	43,453	43,132	44,879	44,253	45,216	45,863	46,624
Rate	M	1,356	1,433	1,454	1,442	1,411	1,439	1,412	1,405	1,394	1,398
	F	1,716	1,811	1,868	1,877	1,854	1,921	1,883	1,909	1,925	1,941
S.M.R.	M	99	104	105	104	100	102	100	99	99	99
	F	97	100	101	100	97	99	96	96	96	97
Diseases of the circulatory system (400–468)											
Deaths	M	91,423	94,637	96,704	98,065	95,784	99,907	96,306	100,244	102,364	105,466
	F	90,477	91,331	95,222	95,470	92,566	97,738	95,526	98,319	102,394	102,857
Rate	M	4,311	4,446	4,521	4,558	4,425	4,595	4,401	4,542	4,581	4,656
	F	3,950	3,973	4,131	4,124	3,980	4,183	4,065	4,151	4,299	4,271
S.M.R.	M	95	97	98	99	95	98	94	96	98	100
	F	92	90	92	91	86	89	85	86	88	87
Arteriosclerotic heart disease (420)											
Deaths	M	39,449	42,919	44,857	47,476	48,266	52,085	52,193	56,514	58,396	62,686
	F	23,175	24,925	26,813	28,300	28,910	31,956	32,729	35,447	37,379	39,792
Rate	M	1,860	2,016	2,097	2,206	2,230	2,395	2,385	2,561	2,613	2,767
	F	1,012	1,084	1,163	1,222	1,243	1,368	1,393	1,497	1,569	1,657
S.M.R.	M	104	112	116	121	122	129	128	137	140	149
	F	103	108	115	119	119	129	130	138	144	151
Diseases of the respiratory system (470–527)											
Deaths	M	36,799	31,090	35,381	36,080	37,939	37,024	40,756	34,833	43,372	42,923
	F	26,364	20,056	23,345	24,428	24,066	23,784	27,796	22,122	29,732	29,871
Rate	M	1,735	1,460	1,654	1,677	1,753	1,703	1,862	1,578	1,941	1,895
	F	1,151	873	1,013	1,055	1,035	1,018	1,183	934	1,248	1,244
S.M.R.	M	100	83	94	95	98	96	104	88	108	106
	F	96	71	81	83	80	79	91	71	94	93
Influenza (480–483)											
Deaths	M	2,905	878	1,460	1,272	3,553	1,216	3,898	553	3,487	1,511
	F	3,560	933	1,523	1,354	3,163	1,185	3,964	545	3,615	1,797
Rate	M	137	41	68	59	164	56	178	25	156	67
	F	155	41	66	58	136	51	169	23	152	75
S.M.R.	M	85	25	42	36	99	34	107	15	93	40
	F	91	23	37	33	74	27	90	12	79	39
Pneumonia (490–493, 763)											
Deaths	M	11,273	9,750	11,101	11,671	12,074	12,311	13,648	12,269	14,513	14,942
	F	10,414	9,126	10,715	11,549	11,488	12,264	13,692	12,806	15,466	16,730
Rate	M	532	458	519	542	558	566	624	556	649	660
	F	455	397	465	499	494	525	583	541	649	697
S.M.R.	M	105	90	102	107	109	110	121	107	125	127
	F	104	90	104	110	107	112	123	113	134	143
Bronchitis (500–502)											
Deaths	M	19,567	17,163	19,318	19,890	18,956	20,326	20,193	18,997	22,203	23,351
	F	11,141	8,625	9,675	10,019	8,141	9,070	8,858	7,488	9,160	9,942
Rate	M	923	806	903	924	876	935	923	861	994	1,031
	F	486	375	420	433	350	388	377	316	385	414
S.M.R.	M	99	86	96	98	92	98	96	89	103	107
	F	91	68	76	77	61	68	65	54	65	69

Table LIX—*continued*

		1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
Ulcer of stomach and duodenum (540, 541)											
Deaths	M	3,795	4,011	3,975	3,778	3,568	3,425	3,090	3,165	2,950	3,095
	F	1,331	1,467	1,542	1,564	1,461	1,473	1,473	1,540	1,455	1,597
Rate	M	179	188	186	176	165	158	141	143	132	137
	F	58	64	67	68	63	63	63	65	61	66
S.M.R.	M	92	96	94	89	83	79	70	71	66	68
	F	99	107	111	111	101	101	99	102	95	103
Appendicitis (550–553)											
Deaths	M	550	547	485	522	497	462	430	367	361	347
	F	356	422	360	331	302	328	271	271	284	259
Rate	M	26	26	23	24	23	21	20	17	16	15
	F	16	18	16	14	13	14	12	11	12	11
S.M.R.	M	81	80	70	75	71	65	60	51	49	47
	F	70	82	69	63	57	61	50	49	51	46
Nephritis and nephrosis (590–594)											
Deaths	M	2,706	2,645	2,448	2,554	2,250	2,158	1,923	2,005	1,866	1,769
	F	2,549	2,453	2,294	2,125	1,945	1,920	1,762	1,709	1,632	1,654
Rate	M	128	124	114	119	104	99	88	91	84	78
	F	111	107	100	92	84	82	75	72	69	69
S.M.R.	M	86	83	76	79	69	66	58	60	55	52
	F	80	76	70	64	58	57	51	49	46	46
Accidents, poisonings and violence (E800–E999)											
Deaths	M	12,333	12,630	12,932	12,992	12,858	13,343	13,456	13,503	13,654	13,812
	F	7,531	8,239	8,537	8,878	8,703	9,113	9,379	9,619	9,660	10,085
Rate	M	582	593	605	604	594	614	615	612	611	610
	F	329	358	370	383	374	390	399	406	406	420
S.M.R.	M	101	103	105	105	103	106	106	105	105	105
	F	104	112	115	118	113	117	119	120	119	122
Motor vehicle traffic accidents (E810–E825)											
Deaths	M	3,225	3,289	3,552	3,655	3,608	3,966	4,345	4,676	4,669	4,451
	F	1,021	1,158	1,256	1,284	1,219	1,400	1,607	1,881	1,875	1,779
Rate	M	152	155	166	170	167	182	199	212	209	197
	F	45	50	54	55	52	60	68	79	79	74
S.M.R.	M	102	104	112	115	112	123	133	142	140	131
	F	97	109	118	119	111	127	144	166	164	154
Accidents in the home and residential institutions (E870·0 and ·7–E936·0 and ·7)											
Deaths	M	2,157	2,452	2,424	2,516	2,419	2,559	2,519	2,478	2,481	2,818
	F	3,738	4,165	4,227	4,392	4,248	4,442	4,491	4,552	4,401	4,809
Rate	M	102	115	113	117	112	118	115	112	111	124
	F	163	181	183	190	183	190	191	192	185	200
S.M.R.	M	113	127	125	129	122	128	125	121	120	134
	F	108	118	118	120	113	116	115	114	109	117
Suicide and self-inflicted injury (E970–E979)											
Deaths	M	3,020	3,178	3,060	3,198	3,170	3,175	3,116	3,058	3,025	3,264
	F	1,734	1,865	1,940	2,084	2,145	2,123	2,091	2,054	2,175	2,324
Rate	M	142	149	143	149	146	146	142	139	135	144
	F	76	81	84	90	92	91	89	87	91	97
S.M.R.	M	106	110	105	109	107	106	104	101	98	105
	F	108	115	119	126	129	127	124	121	127	135

Table LX. Death rates per 1,000 living, by sex and age, and Standardised Mortality Ratios (all ages) in standard regions and urban and rural aggregates within regional groups, 1962, England and Wales

	Males							Females						
	All ages	0–	5–	15–	45–	65 and over	S.M.R.	All ages	0–	5–	15–	45–	65 and over	S.M.R.
ENGLAND AND WALES	**12·6**	**6·18**	**0·44**	**1·49**	**14·0**	**82·8**	**100**	**11·3**	**4·74**	**0·29**	**0·99**	**7·43**	**60·1**	**100**
Urban and rural aggregates:														
Conurbations	12·6	6·60	0·40	1·54	15·1	85·6	105	11·2	4·91	0·25	1·03	7·75	61·3	102
Areas outside conurbations:														
Urban areas with populations of 100,000 and over	13·0	6·21	0·41	1·50	15·0	87·0	105	11·4	4·87	0·25	0·97	7·67	61·3	102
Urban areas with populations of 50,000 and under 100,000	12·5	6·39	0·47	1·50	13·3	81·0	97	11·2	4·83	0·31	0·96	7·16	55·0	93
Urban areas with populations under 50,000	13·3	5·75	0·45	1·49	13·6	84·8	101	12·1	4·69	0·29	0·98	7·50	62·8	103
Rural districts	11·7	5·79	0·47	1·42	11·9	75·4	90	10·8	4·35	0·35	0·95	7·03	57·1	95
NORTH OF ENGLAND	**13·4**	**6·95**	**0·47**	**1·67**	**15·7**	**87·5**	**108**	**11·8**	**5·33**	**0·30**	**1·07**	**8·15**	**65·2**	**109**
Regions:														
Northern	12·8	6·19	0·47	1·72	15·4	84·8	105	10·8	5·39	0·21	1·04	7·95	63·7	106
East and West Ridings	13·1	6·76	0·44	1·62	15·0	85·3	105	11·6	4·87	0·36	1·09	7·75	64·5	107
North Western	13·8	7·47	0·49	1·67	16·2	90·4	112	12·4	5·58	0·30	1·08	8·49	66·2	111
Conurbations:	13·6	7·48	0·44	1·68	16·8	90·0	113	12·1	5·50	0·28	1·13	8·40	66·1	111
Tyneside	13·3	6·36	0·34	1·78	16·8	87·2	110	10·6	4·89	*0·19*	1·11	8·07	62·7	105
West Yorkshire	14·1	7·17	0·42	1·82	15·9	89·8	111	12·7	5·04	0·37	1·26	7·65	66·0	109
South East Lancashire	13·9	7·71	0·51	1·64	17·0	91·0	114	12·6	5·90	0·27	1·11	8·87	67·6	114
Merseyside	12·5	8·07	0·41	1·51	17·4	90·6	115	11·2	5·69	0·23	1·05	8·75	65·6	111
Areas outside conurbations:														
Urban areas with populations of 100,000 and over	13·7	6·65	0·45	1·68	16·4	91·0	112	11·6	5·14	0·31	0·99	8·44	64·4	108
Urban areas with populations of 50,000 and under 100,000	13·2	7·43	0·49	1·78	14·8	84·1	104	11·2	5·44	0·34	1·10	7·56	60·0	101
Urban areas with populations under 50,000	13·6	6·15	0·50	1·68	14·7	86·7	105	12·1	5·25	0·27	1·01	8·02	67·5	111
Rural districts	12·2	6·31	0·53	1·54	13·4	80·8	98	10·9	4·91	0·36	1·03	7·60	62·5	104

WALES AND MIDLANDS	**12·2**	**6·41**	**0·45**	**1·51**	**13·9**	**82·3**	**100**	**10·7**	**4·88**	**0·29**	**1·01**	**7·55**	**60·9**	**101**
Regions:														
Wales	13·9	6·92	0·44	1·68	15·1	87·4	107	11·6	5·14	0·27	1·06	8·31	64·6	108
North Midland	11·9	6·07	0·49	1·39	12·7	80·6	95	10·7	4·52	0·32	0·99	6·99	60·5	99
Midland	11·5	6·40	0·42	1·51	14·2	80·4	99	10·2	5·02	0·27	1·00	7·56	59·0	99
Conurbation:														
West Midlands	11·4	6·35	0·40	1·51	15·0	81·5	101	9·90	5·13	0·23	1·02	7·29	59·4	99
Areas outside conurbation:														
Urban areas with populations of 100,000 and over	12·7	6·56	0·46	1·52	15·5	89·1	108	11·1	5·23	0·22	1·05	8·08	64·6	108
Urban areas with populations of 50,000 and under 100,000	12·2	6·43	0·36	1·41	13·6	80·7	98	10·4	4·57	0·32	0·77	7·74	60·5	100
Urban areas with populations under 50,000	13·1	6·24	0·46	1·55	14·0	86·8	103	11·4	4·93	0·25	1·05	7·65	62·7	104
Rural districts	11·5	6·54	0·48	1·50	12·0	75·4	91	10·5	4·45	0·40	1·02	7·20	57·5	96
SOUTH AND EAST OF ENGLAND (excluding Greater London)	**12·4**	**5·28**	**0·42**	**1·33**	**12·3**	**78·8**	**93**	**11·7**	**4·22**	**0·30**	**0·90**	**6·81**	**56·3**	**93**
Regions:														
London and South Eastern (excluding Greater London)	14·1	5·35	0·45	1·40	12·9	81·2	96	13·2	3·99	0·28	0·95	6·89	57·7	95
Southern	11·5	5·50	0·37	1·27	12·6	77·8	92	10·9	4·61	0·35	0·93	6·68	54·2	91
South Western	13·1	5·60	0·40	1·43	12·6	83·2	97	12·3	4·50	0·28	0·93	7·20	58·9	98
Eastern	11·1	4·82	0·47	1·25	11·4	73·2	86	10·4	3·85	0·28	0·83	6·47	54·0	89
Urban areas with populations of 100,000 and over	12·7	5·58	0·35	1·35	13·7	82·9	99	11·6	4·36	0·24	0·89	6·84	57·4	95
Urban areas with populations of 50,000 and under 100,000	12·2	5·77	0·49	1·38	12·2	79·2	93	11·4	4·61	0·28	0·97	6·71	51·4	87
Urban areas with populations under 50,000	13·2	5·05	0·42	1·30	12·5	82·0	95	12·6	4·09	0·32	0·91	7·00	60·1	98
Rural districts	11·6	5·10	0·44	1·33	11·3	73·6	87	11·0	4·06	0·32	0·87	6·69	54·9	91
GREATER LONDON	**12·2**	**5·89**	**0·37**	**1·44**	**13·8**	**83·3**	**99**	**10·9**	**4·30**	**0·24**	**0·96**	**7·00**	**58·2**	**96**

Table LXI. (a) Deaths from selected causes by sex and age, (b) deaths in which autopsy or operation was known to have been performed and (c) the percentage to all deaths, 1962, England and Wales

ICD No.	Cause of death		Males					Females					Persons
			All ages	0–	15–	45–	65 and over	All ages	0–	15–	45–	65 and over	All ages
	All causes	number of deaths (a)	285,154	13,520	14,034	79,665	177,935	272,482	9,671	9,164	45,940	207,707	557,636
		autopsy or operation (b)	83,033	7,282	8,073	29,516	38,162	58,271	4,908	4,066	14,305	34,992	141,304
		percentage (c)	29	54	58	37	21	21	51	44	31	17	25
001–008	Tuberculosis, respiratory	(a)	2,101	3	183	937	978	673	2	153	266	252	2,774
		(b)	733	2	73	339	319	197	2	35	79	81	930
		(c)	35	67	40	36	33	29	100	23	30	32	34
010–019	Tuberculosis, other	(a)	181	20	49	61	51	133	12	29	51	41	314
		(b)	95	7	24	38	26	83	6	16	35	26	178
		(c)	52	35	49	62	51	62	50	55	69	63	57
020–029	Syphilitic disease	(a)	509	—	28	162	319	313	1	12	63	237	822
		(b)	258	—	12	88	158	173	—	5	28	140	431
		(c)	51	—	43	54	50	55	—	42	44	59	52
056	Whooping cough	(a)	15	15	—	—	—	9	9	—	—	—	24
		(b)	6	6	—	—	—	1	1	—	—	—	7
		(c)	40	40	—	—	—	11	11	—	—	—	29
057	Meningococcal infections	(a)	88	71	9	4	4	50	35	7	3	5	138
		(b)	66	53	8	2	3	31	25	3	2	1	97
		(c)	75	75	89	50	75	62	71	43	67	20	70
080	Acute poliomyelitis	(a)	12	1	11	—	—	6	3	3	—	—	18
		(b)	5	1	4	—	—	2	1	1	—	—	7
		(c)	42	100	36	—	—	33	33	33	—	—	39
085	Measles	(a)	20	20	—	—	—	19	18	1	—	—	39
		(b)	8	8	—	—	—	8	7	1	—	—	16
		(c)	40	40	—	—	—	42	39	100	—	—	41
Rem. 001–138	Other diseases classified as infective or parasitic	(a)	529	133	96	158	142	513	78	95	154	186	1,042
		(b)	249	84	54	60	51	202	48	50	61	43	451
		(c)	47	63	56	38	36	39	62	53	40	23	43
151	Malignant neoplasm: Stomach	(a)	7,722	—	210	3,010	4,502	5,874	—	155	1,357	4,362	13,596
		(b)	1,379	—	43	547	789	884	—	28	237	619	2,263
		(c)	18	—	20	18	18	15	—	18	17	14	17
162, 163	Trachea, bronchus, and lung	(a)	20,278	1	586	10,373	9,318	3,501	1	188	1,556	1,756	23,779
		(b)	3,877	—	111	2,018	1,748	718	—	35	311	372	4,595
		(c)	19	—	19	19	19	21	—	19	20	21	19

170	Breast	(a)	79	—	5	31	43	9,351	—	764	4,270	4,317	9,430
		(b)	10	—	1	5	4	1,507	—	140	740	627	1,517
		(c)	13	—	20	16	9	16	—	18	17	15	16
171–174	Uterus	(a)	—	—	—	—	—	4,015	—	426	1,746	1,843	4,015
		(b)	—	—	—	—	—	595	—	67	274	254	595
		(c)	—	—	—	—	—	15	—	16	16	14	15
204	Leukaemia and aleukaemia	(a)	1,392	175	240	431	546	1,315	147	217	374	577	2,707
		(b)	270	24	45	101	100	225	21	41	68	95	495
		(c)	19	14	19	23	18	17	14	19	18	16	18
Rem. 140–205	Other malignant and lymphatic neoplasms	(a)	25,264	229	1,418	8,089	15,528	22,817	207	1,286	7,257	14,067	48,081
		(b)	5,445	60	319	1,920	3,146	4,672	54	263	1,497	2,858	10,117
		(c)	22	26	22	24	20	20	26	20	21	20	21
260	Diabetes mellitus	(a)	1,330	12	91	318	909	2,481	14	83	437	1,947	3,811
		(b)	302	8	47	92	155	453	7	41	112	293	755
		(c)	23	67	52	29	17	18	50	49	26	15	20
330–334	Vascular lesions affecting central nervous system	(a)	31,673	45	526	5,963	25,139	46,624	29	527	5,751	40,317	78,297
		(b)	3,969	35	327	1,647	1,960	4,839	23	295	1,580	2,941	8,808
		(c)	13	78	62	28	8	10	79	56	27	7	11
420	Arteriosclerotic heart disease, including coronary disease	(a)	62,686	3	1,897	23,091	37,695	39,792	2	259	6,226	33,305	102,478
		(b)	24,353	3	1,291	10,957	12,102	11,249	1	145	2,333	8,770	35,602
		(c)	39	100	68	47	32	28	50	56	37	26	35
440–443	Hypertension with heart disease ..	(a)	4,266	—	55	986	3,225	6,265	—	33	695	5,537	10,531
		(b)	897	—	26	323	548	887	—	15	212	660	1,784
		(c)	21	—	47	33	17	14	—	45	31	12	17
410–416, 421–434	Other heart disease	(a)	27,295	31	734	3,861	22,669	42,752	32	755	3,817	38,148	70,047
		(b)	3,339	19	366	1,198	1,756	3,922	20	326	986	2,590	7,261
		(c)	12	61	50	31	8	9	62	43	26	7	10
444–468	Other circulatory disease	(a)	11,157	6	300	2,184	8,667	14,004	13	250	1,497	12,244	25,161
		(b)	3,831	5	161	1,207	2,458	4,086	8	125	783	3,170	7,917
		(c)	34	83	54	55	28	29	62	50	52	26	31
480–483	Influenza	(a)	1,511	50	95	360	1,006	1,797	40	88	214	1,455	3,308
		(b)	217	19	59	78	61	154	21	44	46	43	371
		(c)	14	38	62	22	6	9	53	50	21	3	11
490–493, 763	Pneumonia	(a)	14,942	1,840	394	2,106	10,602	16,730	1,311	261	1,308	13,850	31,672
		(b)	4,428	1,251	200	917	2,060	3,300	840	124	481	1,855	7,728
		(c)	30	68	51	44	19	20	64	48	37	13	24
500–502	Bronchitis	(a)	23,351	320	235	6,736	16,060	9,942	236	124	1,399	8,183	33,293
		(b)	4,058	259	99	1,430	2,270	1,557	176	48	326	1,007	5,615
		(c)	17	81	42	21	14	16	75	39	23	12	17
470–475, 510–527	Other diseases of respiratory system..	(a)	3,589	128	148	1,282	2,031	1,695	81	104	344	1,166	5,284
		(b)	1,661	105	74	676	806	469	59	40	120	250	2,130
		(c)	46	82	50	53	40	28	73	38	35	21	40

Table LXI—*continued*

ICD No.	Cause of death		Males					Females					Persons
			All ages	0–	15–	45–	65 and over	All ages	0–	15–	45–	65 and over	All ages
540, 541	Ulcer of stomach and duodenum	(a)	3,095	5	122	924	2,044	1,597	4	30	279	1,284	4,692
		(b)	1,956	3	98	678	1,177	930	4	18	202	706	2,886
		(c)	63	60	80	73	58	58	100	60	72	55	62
543, 571, 572, 764	Gastritis, enteritis, and diarrhoea	(a)	1,110	335	67	242	466	1,509	255	89	232	933	2,619
		(b)	552	181	32	137	202	742	139	55	140	408	1,294
		(c)	50	54	48	57	43	49	55	62	60	44	49
590–594	Nephritis and nephrosis	(a)	1,769	33	327	626	783	1,654	30	225	458	941	3,423
		(b)	442	12	104	167	159	414	15	62	142	195	856
		(c)	25	36	32	27	20	25	50	28	31	21	25
610	Hyperplasia of prostate	(a)	2,901	—	3	180	2,718	—	—	—	—	—	2,901
		(b)	1,177	—	—	125	1,052	—	—	—	—	—	1,177
		(c)	41	—	—	69	39	—	—	—	—	—	41
640–689	Pregnancy, childbirth, abortion	(a)	—	—	—	—	—	299	—	298	1	—	299
		(b)	—	—	—	—	—	246	—	245	1	—	246
		(c)	—	—	—	—	—	82	—	82	100	—	82
750–759	Congenital malformations	(a)	2,836	2,294	239	208	95	2,590	2,122	157	189	122	5,426
		(b)	1,613	1,302	147	109	55	1,251	1,029	83	78	61	2,864
		(c)	57	57	62	52	58	48	48	53	41	50	53
Rem. 210–795	Other defined and ill-defined diseases	(a)	19,641	6,439	1,180	3,506	8,516	24,077	4,269	1,209	3,798	14,801	43,718
		(b)	7,308	2,844	605	1,612	2,247	7,299	1,848	618	1,637	3,196	14,607
		(c)	37	44	51	46	26	30	43	51	43	22	33
E810–E835	Motor vehicle accidents	(a)	4,522	426	2,218	1,014	864	1,784	221	394	420	749	6,306
		(b)	3,665	318	1,793	842	712	1,445	158	320	342	625	5,110
		(c)	81	75	81	83	82	81	71	81	81	83	81
E800–E802, E840–E962	All other accidents	(a)	5,855	846	1,452	1,397	2,160	5,838	456	317	639	4,426	11,693
		(b)	4,229	645	1,086	1,094	1,404	3,710	357	249	520	2,584	7,939
		(c)	72	76	75	78	65	64	78	79	81	58	68
E963, E970–E979	Suicide and self-inflicted injury	(a)	3,264	6	1,052	1,391	815	2,325	3	569	1,113	640	5,589
		(b)	2,501	4	808	1,084	605	1,896	3	478	908	507	4,397
		(c)	77	67	77	78	74	82	100	84	82	79	79
E964, E965, E980–E999	Homicide and operations of war	(a)	171	33	64	34	40	138	40	56	26	16	309
		(b)	134	24	56	25	29	124	35	50	24	15	258
		(c)	78	73	88	74	72	90	88	89	92	94	83

Table LXII. Notification rates per 100,000 living for certain infectious diseases, by sex and age, 1962, England and Wales

	Scarlet fever		Whooping cough		Acute poliomyelitis				Measles (excluding rubella)		Diphtheria		Dysentery		Meningococcal infection	
					Paralytic		Non-paralytic									
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 year ..	8·2	6·1	125	130	*0·73*	*1·5*	*0·24*	—	744	780	—	—	208	171	22	16
1	34	34	120	126	*2·7*	*3·4*	*0·25*	*0·53*	2,325	2,322	—	—	316	306	12	8·9
2	114	105	132	159	*3·1*	*2·2*	*0·52*	*0·55*	2,984	3,106	—	—	367	348	6·3	5·5
3	175	162	121	154	*3·4*	*2·0*	*0·27*	*1·1*	3,249	3,378	*0·27*	—	327	294	6·1	*2·8*
4	257	253	118	139	*1·9*	*4·3*	*0·82*	*0·29*	3,442	3,440	—	—	282	270	5·4	*2·0*
5–	236	250	76	92	1·3	1·2	*0·94*	*0·50*	2,402	2,413	*0·29*	—	252	237	1·9	1·8
10–	53	60	9·9	11	*0·23*	*0·30*	*0·17*	—	148	164	—	*0·30*	78	71	1·2	*0·65*
15–	15	9·1	0·92	1·5	*0·37*	*0·19*	*0·09*	*0·16*	30	35	*0·06*	—	20	44	0·95	0·95
25 and over ..	1·0	0·87	0·28	0·53	0·20	*0·12*	*0·02*	*0·03*	2·7	3·8	*0·01*	*0·01*	18	26	0·29	0·23
**All ages .. .. ..

Table LXII—*continued*

	Tuberculosis					
	Respiratory		Meninges and C.N.S.		Other	
	M	F	M	F	M	F
Under 5 years	18	18	1·1	*0·98*	2·0	2·1
5–	14	16	0·66	*0·42*	3·5	3·5
15–	44	43	*0·43*	*0·60*	5·4	8·0
25–	60	38	*0·29*	*0·28*	7·8	9·4
45–	77	19	*0·12*	*0·06*	3·8	4·5
65 and over	68	14	*0·14*	*0·12*	3·4	4·4
All ages	**52**	**26**	**0·39**	**0·32**	**4·9**	**5·9**

Table LXIII. Stillbirths per 1,000 total births, 1928 to 1962, and of deaths in the neonatal, post-neonatal and other age periods under 1 year per 1,000 live births, 1906 to 1962, England and Wales

Period	Total infant mortality (under 1 year)	Infant mortality per 1,000 live births* at various ages									Stillbirths and infant deaths—rates per 1,000 total births†				
		Neonatal mortality (under 4 weeks)	Early neonatal mortality (under 1 week)	Late neonatal mortality (1 week and under 4 weeks)	Post-neonatal mortality (4 weeks and under 1 year)	Early neonatal period		Post-neonatal period			Stillbirths plus infant deaths under 1 year "*birth wastage*"	Stillbirths (late foetal deaths, at or over 28 weeks' gestation)	Stillbirths plus infant deaths under 1 week "*perinatal mortality*"	Infant deaths at 1 week and over	Stillbirths plus infant deaths under 4 weeks
						Under 1 day	1 day and under 1 week	4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year					
1906–1910	117·1	40·2	24·5	15·7	76·9	11·5	13·0	22·8	22·0	32·1	—	—	—	—	—
1911–1915	108·7	39·0	24·1	14·9	69·8	11·4	12·7	20·2	19·6	30·0	—	—	—	—	—
1916–1920	90·9	37·0	23·4	13·7	53·9	11·0	12·4	16·5	14·6	22·8	—	—	—	—	—
1921–1925	74·9	33·4	21·7	11·7	41·6	10·4	11·3	12·8	11·3	17·5	—	—	—	—	—
1926–1930	67·6	31·8	21·8	9·9	35·7	10·3	11·5	10·8	9·5	15·4	—	—	—	—	—
1931–1935	61·9	31·4	22·4	9·0	30·5	10·7	11·7	9·9	8·5	12·1	100·6	41·0	62·5	38·1	71·1
1936–1940	55·3	29·2	21·5	7·7	26·0	10·4	11·2	8·8	7·8	9·4	91·7	38·5	59·2	32·5	66·6
1941–1945	49·8	26·0	18·7	7·2	23·8	9·3	9·5	8·9	7·7	7·2	78·5	30·5	48·6	29·9	55·6
1946–1950	36·3	21·1	16·2	4·9	15·2	7·9	8·4	5·8	5·0	4·4	59·5	24·0	39·8	19·6	44·6
1951–1955	26·9	18·0	15·0	3·0	8·9	7·5	7·5	3·4	3·0	2·5	49·2	23·0	37·6	11·6	40·5
1956–1960	22·6	16·2	13·8	2·4	6·5	7·5	6·3	2·6	2·1	1·8	43·6	21·4	34·9	8·7	37·2
1928 . ..	65·3	31·1	21·6	9·5	34·2	10·4	11·2	10·7	9·3	14·2	102·6	40·1	60·8	41·7	69·9
1929	73·9	32·8	22·2	10·5	41·1	10·4	11·9	11·5	10·6	19·0	111·4	40·0	61·4	50·0	71·6
1930	60·2	30·9	22·0	8·9	29·3	10·4	11·6	9·7	7·9	11·7	98·3	40·8	61·9	36·4	70·4
1931	65·7	31·5	22·1	9·5	34·2	10·4	11·7	10·8	9·2	14·2	104·5	40·9	62·1	42·4	71·2
1932	64·5	31·5	22·4	9·2	33·0	10·6	11·8	10·8	9·0	13·2	103·7	41·3	62·8	40·8	71·6
1933	62·7	32·1	22·9	9·3	30·6	11·0	11·8	9·8	8·6	12·2	102·5	41·4	63·4	39·1	72·3
1934	59·3	31·4	22·7	8·7	27·9	10·9	11·8	8·9	7·7	11·3	96·7	40·5	62·2	34·5	70·5
1935	57·0	30·4	22·0	8·4	26·6	10·7	11·3	9·1	7·7	9·8	95·4	40·7	61·9	33·5	69·9
1936	58·7	30·2	21·9	8·2	28·5	10·7	11·3	9·3	8·3	10·9	95·9	39·7	60·8	35·2	68·7
1937	57·7	29·7	22·0	7·8	28·0	10·8	11·2	9·4	8·3	10·3	94·4	39·0	60·2	34·2	67·6
1938	52·8	28·3	21·1	7·1	24·5	10·3	10·8	8·2	7·3	9·0	88·9	38·3	58·6	30·4	65·5
1939	50·6	28·3	21·2	7·1	22·2	10·3	10·9	7·9	7·0	7·3	86·9	38·1	58·5	28·4	65·3
1940	56·8	29·6	21·3	8·3	27·2	9·8	11·5	9·3	8·2	9·7	92·5	37·2	57·7	34·7	65·7

* Rates based on related live births from 1926 to 1956.

† The births upon which these rates are based for successive calendar years are numbers registered up to 1938 inclusive, and numbers of occurrences from 1939.

Table LXIII—*continued*

Period	Total infant mortality (under 1 year)	Infant mortality per 1,000 live births* at various ages									Stillbirths and infant deaths—rates per 1,000 total births†				
		Neonatal mortality (under 4 weeks)	Early neonatal mortality (under 1 week)	Late neonatal mortality (1 week and under 4 weeks)	Post-neonatal mortality (4 weeks and under 1 year)	Early neonatal period		Post-neonatal period			Stillbirths plus infant deaths under 1 year "*birth wastage*"	Stillbirths (late foetal deaths, at or over 28 weeks' gestation)	Stillbirths plus infant deaths under 1 week "*perinatal mortality*"	Infant deaths at 1 week and over	Stillbirths plus infant deaths under 4 weeks
						Under 1 day	1 day and under 1 week	4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year					
1941	60·0	29·0	20·7	8·3	31·1	10·1	10·6	11·3	9·7	10·1	92·4	34·8	54·7	37·7	62·7
1942	50·6	27·2	19·6	7·7	23·4	9·6	10·0	8·7	7·5	7·2	81·1	33·2	52·1	29·0	59·4
1943	49·1	25·2	18·3	6·9	23·9	9·1	9·2	8·8	7·8	7·3	77·5	30·1	47·9	29·6	54·6
1944	45·4	24·4	17·5	6·9	21·1	8·8	8·8	8·0	7·0	6·1	70·9	27·6	44·5	26·3	51·1
1945	46·0	24·8	18·0	6·8	21·3	9·0	9·0	8·2	7·0	6·1	73·4	27·6	45·2	28·1	51·8
1946	42·9	24·5	17·8	6·7	18·4	8·7	9·1	7·1	6·1	5·2	66·9	27·2	44·3	22·6	50·7
1947	41·4	22·7	16·5	6·2	18·6	7·8	8·7	6·9	6·0	5·7	65·0	24·1	40·3	24·6	46·4
1948	33·9	19·7	15·6	4·1	14·2	7·8	7·9	5·5	4·8	3·9	56·8	23·2	38·5	18·4	42·5
1949	32·4	19·3	15·6	3·7	13·0	7·6	8·0	4·8	4·4	3·8	54·6	22·7	38·0	16·7	41·5
1950	29·6	18·5	15·2	3·3	11·1	7·2	8·0	4·3	3·7	3·1	51·7	22·6	37·4	14·3	40·7
1951	29·7	18·8	15·5	3·3	10·9	7·5	8·0	4·1	3·6	3·2	52·2	23·0	38·2	14·0	41·5
1952	27·6	18·3	15·2	3·2	9·3	7·6	7·6	3·7	3·0	2·6	49·6	22·7	37·5	12·1	40·6
1953	26·8	17·7	14·8	2·9	9·1	7·4	7·4	3·4	3·0	2·7	48·6	22·4	36·9	11·7	39·7
1954	25·4	17·7	14·9	2·8	7·7	7·6	7·4	3·0	2·6	2·1	48·4	23·5	38·1	10·3	40·8
1955	24·9	17·3	14·6	2·6	7·6	7·6	7·0	2·9	2·6	2·1	47·5	23·2	37·4	10·0	40·0
1956	23·7	16·8	14·2	2·6	6·9	7·4	6·8	2·7	2·3	1·8	46·0	22·9	36·7	9·2	39·3
1957	23·1	16·5	14·1	2·4	6·7	7·6	6·5	2·6	2·1	1·9	45·1	22·5	36·2	8·8	38·5
1958	22·5	16·2	13·8	2·4	6·4	7·5	6·3	2·6	2·1	1·7	43·6	21·5	35·0	8·6	37·3
1959	22·2	15·9	13·6	2·3	6·3	7·6	6·0	2·4	2·1	1·8	42·6	20·8	34·1	8·5	36·3
1960	21·8	15·5	13·3	2·2	6·3	7·5	5·8	2·5	2·1	1·6	41·1	19·8	32·8	8·3	35·0
1961	21·4	15·3	13·3	2·1	6·1	7·6	5·7	2·4	2·0	1·7	40·0	19·0	32·0	8·0	34·1
1962	21·7	15·1	13·0	2·1	6·6	7·4	5·6	2·5	2·3	1·8	39·4	18·1	30·8	8·5	32·9

* Rates based on related live births from 1926 to 1956.

† The births upon which these rates are based for successive calendar years are numbers registered up to 1938 inclusive, and numbers of occurrences from 1939.

Table LXIV. Stillbirths per 1,000 total births, and deaths in the early neonatal, late neonatal, and post-neonatal periods per 1,000 live births*, distinguishing illegitimacy, 1936 to 1962, England and Wales

		1936 to 1939	1940 to 1944	1945 to 1949	1950 to 1954	1955 to 1959	1957	1958	1959	1960	1961	1962
All infants	Stillbirths (late foetal deaths at or over 28 weeks' gestation) — Annual rate	38·8	32·3	24·9	22·8	22·1	22·5	21·5	20·8	19·8	19·0	18·1
	per cent of 1936–39	*100*	*83*	*64*	*59*	*57*	*58*	*55*	*54*	*51*	*49*	*47*
	Early neonatal deaths (Under 1 week) — Annual rate	21·6	19·3	16·7	15·1	14·0	14·1	13·8	13·6	13·3	13·3	13·0
	per cent of 1936–39	*100*	*89*	*77*	*70*	*65*	*65*	*64*	*63*	*62*	*62*	*60*
	Late neonatal deaths (1 week and under 4 weeks) — Annual rate	7·6	7·5	5·5	3·1	2·5	2·4	2·4	2·3	2·2	2·1	2·1
	per cent of 1936–39	*100*	*99*	*72*	*41*	*33*	*32*	*32*	*30*	*29*	*28*	*28*
	Post-neonatal deaths (4 weeks and under 1 year) — Annual rate	25·8	25·1	17·1	9·6	6·7	6·7	6·4	6·3	6·3	6·1	6·6
	per cent of 1936–39	*100*	*97*	*66*	*37*	*26*	*26*	*25*	*24*	*24*	*24*	*26*
Illegitimate infants	Stillbirths (late foetal deaths at or over 28 weeks' gestation) — Annual rate	49·6	39·9	31·4	29·9	28·4	28·7	28·4	27·4	24·9	24·2	22·7
	per cent of 1936–39	*100*	*80*	*63*	*60*	*57*	*58*	*57*	*55*	*50*	*49*	*46*
	Early neonatal deaths (under 1 week) — Annual rate	34·4	28·1	23·7	20·7	19·1	19·8	18·3	18·2	17·0	17·5	18·0
	per cent of 1936–39	*100*	*82*	*69*	*60*	*56*	*58*	*53*	*53*	*49*	*51*	*52*
	Late neonatal deaths (1 week and under 4 weeks) — Annual rate	10·9	10·7	8·3	3·9	2·7	2·9	2·3	2·5	2·6	2·0	2·4
	per cent of 1936–39	*100*	*98*	*76*	*36*	*25*	*27*	*21*	*23*	*24*	*18*	*22*
	Post-neonatal deaths (4 weeks and under 1 year) — Annual rate	41·6	35·8	23·5	11·1	7·2	7·3	7·2	6·7	6·9	5·8	6·8
	per cent of 1936–39	*100*	*86*	*56*	*27*	*17*	*18*	*17*	*16*	*17*	*14*	*16*

* Rates prior to 1957 per 1,000 related live births.

Table LXV. Principal causes of death under 1 year, age-group distribution per cent of all deaths assigned to each cause, cause distribution per 1,000 total deaths in each age-group, 1962, England and Wales

Aetiological group	Cause of death (and ICD No.)	Number of infant deaths (under 1 year)	Age distribution per cent of total infant deaths assigned to each cause					Cause distribution per 1,000 total infant deaths in each age-group				
			Infant mortality (under 1 year)	Neonatal mortality			Post-neonatal mortality (4 weeks and under 1 year)	Infant mortality (under 1 year)	Neonatal mortality			Post-neonatal mortality (4 weeks and under 1 year)
				Under 4 weeks	Early (under 1 week)	Late (1 week and under 4 weeks)			Under 4 weeks	Early (under 1 week)	Late (1 week and under 4 weeks)	
	All causes	**18,187**	**100**	**70**	**60**	**10**	**30**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**
Prenatal and natal group (including congenital malformations)	Congenital malformations (750–759)	3,838	100	65	44	21	35	211	196	154	457	245
	Total causes mainly of prenatal and natal origin other than congenital malformations	8,807	100	99	96	3	1	484	689	775	160	15
	Intracranial and spinal injury at birth (760) ..	1,335	100	100	94	6	—	73	105	116	44	—
	Other birth injury (including maternal antepartum haemorrhage) (761)	527	100	100	98	2	—	29	42	48	5	—
	Postnatal asphyxia and atelectasis (762) ..	2,673	100	99	97	2	1	147	209	238	33	4
	Attributed to maternal toxaemia (769)	232	100	100	99	0	0	13	18	21	1	0
	Erythroblastosis (770)	353	100	99	95	3	1	19	27	31	7	1
	Haemorrhagic disease of newborn (771) ..	232	100	99	88	11	1	13	18	19	15	1
	Ill-defined diseases of early infancy (773) ..	468	100	98	94	4	2	26	36	40	10	2
	Immaturity alone, or primary to diseases other than of early infancy (774, 776)	2,987	100	99	96	3	1	164	233	263	46	7

	Total causes mainly of postnatal origin	4,570	100	24	12	13	76	251	88	49	328	625
Postnatal group	Causes classified as infective (001–138) and others mainly infective in origin (340, 391–393, 470–483, 518, 519, 690–698, 765–768)	525	100	30	8	22	70	29	12	4	64	67
	Septicaemia, skin and subcutaneous tissue infections and sepsis of newborn (053, 690–698, 765–768)	86	100	67	19	49	33	5	5	1	24	5
	Whooping cough and measles (056, 085) ..	22	100	5	—	5	95	1	0	—	1	4
	Meningococcal infections and non-meningococcal meningitis (057, 340)	223	100	32	7	25	68	12	6	1	31	27
	Causes classified as infective not specified above (rem. 001–138)	69	100	23	12	12	77	4	1	1	5	10
	Otitis media and mastoiditis, empyema and pleurisy (391–393, 518, 519)	59	100	14	2	12	86	3	1	0	4	9
	Acute upper respiratory infections and influenza (470–475, 480–483)	66	100	2	—	2	98	4	0	—	1	12
	Pneumonia and bronchitis (490–493, 763, 500–502)	3,017	100	26	14	13	74	166	63	38	217	401
	Gastro-enteritis (including diarrhoea of newborn) (571, 764)..	450	100	12	1	11	88	25	4	1	28	71
	Accidental mechanical suffocation from vomit, food, foreign body, or in cot (E921–E925) ..	412	100	9	3	6	91	23	3	1	14	68
	Lack of care, neglect (including foundlings), infanticide (E926, E980–E985)	75	100	68	65	3	32	4	4	5	1	4
	Other violent causes (rem. E800–E999) ..	91	100	18	10	8	82	5	1	1	4	14
Unclassified	Total causes remaining	972	100	35	25	10	65	53	27	22	55	114
	Neoplasms (140–239)	82	100	22	15	7	78	5	1	1	3	12
	Other remaining causes	890	100	36	26	10	64	49	25	21	52	103
Immaturity, or with mention of immaturity (774, 776, 760·5–773·5)		6,460	100	99	95	4	1	355	506	566	141	9
Immaturity alone, or primary to diseases other than of early infancy (774, 776)		2,987	100	99	96	3	1	164	233	263	46	7
Immaturity associated with diseases of early infancy (760·5–773·5)..		3,473	100	100	95	5	0	191	274	303	95	2
All other causes		11,727	100	53	40	13	47	645	494	434	859	991

Table LXVI. Principal causes of death under 1 year in the neonatal, post-neonatal and other age periods, by sex, per 1,000 live births, 1962, England and Wales

Aetiological group	Cause of death (and ICD No.)		Infant mortality per 1,000 live births									
			Total infant mortality (under 1 year)	Neonatal mortality (under 4 weeks)	Early neonatal mortality (under 1 week)	Late neonatal mortality (1 week and under 4 weeks)	Post-neonatal mortality (4 weeks and under 1 year)	Early neonatal period		Post-neonatal period		
								Under 1 day	1 day and under 1 week	4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year
	All causes	M	**24·50**	**17·25**	**14·94**	**2·31**	**7·24**	**8·43**	**6·51**	**2·83**	**2·59**	**1·82**
		F	**18·70**	**12·80**	**10·91**	**1·89**	**5·91**	**6·32**	**4·58**	**2·22**	**1·99**	**1·69**
Prenatal and natal group (including congenital malformations)	Congenital malformations (750–759)	M	4·63	3·01	2·05	0·95	1·62	0·91	1·14	0·82	0·48	0·32
		F	4·52	2·91	1·93	0·98	1·61	0·90	1·03	0·70	0·48	0·42
	Total causes mainly of prenatal and natal origin other than congenital malformations	M	12·33	12·22	11·80	0·42	0·12	7·18	4·62	0·08	*0·02*	*0·01*
		F	8·56	8·47	8 23	0·25	0·08	5·12	3·10	0·06	*0·02*	*0·00*
	Intracranial and spinal injury at birth (760)	M	2·02	2·02	1·89	0·13	—	0·91	0·98	—	—	—
		F	1·14	1·14	1·09	0·05	—	0·54	0·55	—	—	—
	Other birth injury (including maternal antepartum haemorrhage) (761)	M	0·70	0·70	0·70	*0·01*	—	0·52	0·17	—	—	—
		F	0·55	0·55	0·54	*0·01*	—	0·45	0·09	—	—	—
	Postnatal asphyxia and atelectasis (762)	M	3·76	3·73	3·65	0·08	*0·03*	2·21	1·44	*0·01*	*0·01*	*0·00*
		F	2·58	2·55	2·50	0·06	*0·03*	1·59	0·91	*0·02*	*0·01*	*0·00*
	Attributed to maternal toxaemia (769)	M	0·32	0·31	0·31	*0·00*	*0·00*	0·18	0·13	*0·00*	—	—
		F	0·24	0·24	0·24	—	—	0·15	0·09	—	—	—
	Erythroblastosis (770)	M	0·44	0·43	0·41	*0·02*	*0·01*	0·25	0·15	*0·01*	—	*0·00*
		F	0·40	0·40	0·39	*0·01*	—	0·28	0·11	—	—	—
	Haemorrhagic disease of newborn (771)	M	0·36	0·35	0·32	*0·04*	*0·01*	0·06	0·26	*0·01*	—	—
		F	0·19	0·19	0·16	*0·02*	—	*0·04*	0·12	—	—	—
	Ill-defined diseases of early infancy (773)	M	0·70	0·69	0·66	*0·03*	*0·01*	0·35	0·30	*0·00*	*0·00*	*0·00*
		F	0·41	0·40	0·39	*0·01*	*0·01*	0·20	0·19	*0·01*	*0·00*	—
	Immaturity alone, or primary to diseases other than of early infancy (774, 776)	M	4·04	3·98	3·88	0·11	0·06	2·69	1·19	0·05	*0·01*	*0·00*
		F	3·05	3·01	2·93	0·09	*0·04*	1·87	1·05	*0·03*	*0·01*	—

	Total causes mainly of postnatal origin	M	6·20	1·57	0·79	0·78	4·64	0·17	0·62	1·63	1·79	1·22
		F	4·65	1·07	0·47	0·60	3·58	0·15	0·32	1·28	1·28	1·02
Postnatal group	Causes classified as infective (001–138) and others mainly infective in origin (340, 391–393, 470–483, 518, 519, 690–698, 765–768)	M	0·74	0·22	0·06	0·16	0·52	*0·01*	0·05	0·15	0·18	0·19
		F	0·50	0·15	*0·04*	0·11	0·35	*0·00*	*0·04*	0·10	0·14	0·12
	Pneumonia and bronchitis (490–493, 763, 500–502)	M	4·14	1·14	0·64	0·50	3·00	0·10	0·54	1·09	1·19	0·72
		F	3·02	0·75	0·34	0·41	2·27	0·09	0·25	0·86	0·83	0·57
	Gastro-enteritis (including diarrhoea of newborn) (571, 764)	M	0·57	0·07	*0·00*	0·07	0·50	—	*0·00*	0·19	0·13	0·18
		F	0·50	0·06	*0·01*	*0·05*	0·44	—	*0·01*	0·14	0·13	0·18
	Accidental mechanical suffocation from vomit, food, foreign body, or in cot (E921–E925)	M	0·54	0·05	*0·02*	*0·03*	0·48	*0·00*	*0·01*	0·17	0·23	0·08
		F	0·44	*0·03*	*0·01*	*0·02*	0·41	—	*0·01*	0·14	0·15	0·12
	Lack of care, neglect (including foundlings), infanticide (E926, E980–E985)	M	0·09	0·06	0·05	*0·00*	*0·03*	0·05	*0·00*	*0·01*	*0·02*	*0·00*
		F	0·09	0·07	0·06	*0·00*	*0·02*	0·06	*0·00*	*0·01*	*0·00*	*0·01*
	Other violent causes (rem. E800–E999)	M	0·13	*0·03*	*0·02*	*0·01*	0·10	*0·01*	*0·00*	*0·02*	*0·04*	*0·04*
		F	0·09	*0·01*	*0·00*	*0·01*	0·08	*0·00*	*0·00*	*0·02*	*0·03*	*0·02*
Unclassified	Total causes remaining	M	1·33	0·46	0·30	0·16	0·87	0·17	0·13	0·31	0·30	0·26
		F	0·98	0 34	0·28	0·07	0·64	0·14	0·13	0·17	0·22	0·25
	Neoplasms (140–239)	M	0·10	*0·02*	*0·01*	*0·01*	0·08	*0·00*	*0·01*	*0·02*	*0·02*	*0·04*
		F	0·09	*0·02*	*0·02*	*0·00*	0·07	*0·01*	*0·01*	*0·01*	*0·02*	*0·04*
	Other remaining causes	M	1·23	0·44	0·29	0·16	0·79	0·16	0·13	0·29	0·28	0·22
		F	0·88	0·32	0·26	0·06	0·56	0·14	0·12	0·16	0·20	0·20
Immaturity, or with mention of immaturity (774, 776, 760·5–773·5)		M	9·04	8·97	8·64	0·33	0·07	5·36	3·28	0·06	*0·01*	*0·00*
		F	6·28	6·24	5·97	0·27	*0·04*	3·65	2·33	*0·04*	*0·01*	—
	Immaturity alone, or primary to diseases other than of early infancy (774, 776)	M	4·04	3·98	3·88	0·11	0·06	2·69	1·19	0·05	*0·01*	*0·00*
		F	3·05	3·01	2·93	0·09	*0·04*	1·87	1·05	*0·03*	*0·01*	—
	Immaturity associated with diseases of early infancy (760·5–773·5)	M	5·00	4·98	4·76	0·22	*0·02*	2·67	2·09	*0·01*	*0·00*	*0·00*
		F	3·23	3·23	3·05	0·18	*0·00*	1·77	1·28	*0·00*	—	—
All other causes		M	15·46	8·29	6·30	1·99	7·17	3·07	3·23	2·78	2·58	1·81
		F	12·42	6·56	4·93	1·62	5·86	2·68	2·25	2·18	1·99	1·69

Table LXVII. Stillbirths per 1,000 total births, and infant deaths per 1,000 live births in the early neonatal, late neonatal and post-neonatal periods, and from the principal causes of infant mortality; comparison of annual and quarterly rates, 1962, England and Wales

Aetiological group	Cause of death (and ICD No.)	Annual rates (per 1,000 live births)	Quarterly rates				Quarterly rates per cent of annual rates			
			Jan. to March	April to June	July to Sept.	Oct. to Dec.	Jan. to March	April to June	July to Sept.	Oct. to Dec.
Stillbirths (late foetal deaths at or over 28 weeks' gestation)		18·10	18·86	17·82	17·71	18·01	104	98	98	100
Early neonatal deaths (infant deaths at ages under 1 week)		12·98	13·65	12·91	12·23	13·13	105	99	94	101
Late neonatal deaths (infant deaths at ages 1 week and under 4 weeks)		2·11	2·43	2·05	1·73	2·23	115	97	82	106
Post-neonatal deaths (infant deaths at 4 weeks and under 1 year)		6·59	9·20	5·91	4·48	6·77	140	90	68	103
Infant deaths (total under 1 year)		21·68	25·27	20·87	18·44	22·13	117	96	85	102
Prenatal and natal group (including congenital malformations)	Congenital malformations (750–759)	4·58	4·71	4·56	4·38	4·65	103	100	96	102
	Total causes mainly of prenatal and natal origin, other than congenital malformations	10·50	11·01	10·29	9·87	10·85	105	98	94	103
	Intracranial and spinal injury at birth (760)	1·59	1·74	1·54	1·41	1·68	109	97	81	106
	Other birth injury (including maternal antepartum haemorrhage) (761)	0·63	0·63	0·59	0·62	0·66	103	94	98	105
	Postnatal asphyxia and atelectasis (762)	3·19	3·24	3·16	2·96	3·39	102	99	93	106
	Attributed to maternal toxaemia (769)	0·28	0·30	0·25	0·27	0·28	107	89	96	100
	Erythroblastosis (770)	0·42	0·44	0·42	0·46	0·35	105	100	110	83
	Haemorrhagic disease of newborn (771)	0·28	0·36	0·26	0·23	0·25	129	93	82	89
	Ill-defined diseases of early infancy (773)	0·56	0·71	0·47	0·42	0·64	127	84	75	114
	Immaturity alone, or primary to diseases other than of early infancy (774, 776)	3·56	3·56	3·59	3·50	3·59	100	101	98	101
Postnatal group	Total causes mainly of postnatal origin	5·45	8·24	4·89	3·25	5·57	151	90	60	99
	Causes classified as infective (001–138); others mainly infective in origin (340, 391–393, 470–483, 518, 519, 690–698, 765–768)	0·63	0·88	0·59	0·38	0·65	140	94	60	103
	Pneumonia and bronchitis (490–493, 763, 500–502)	3·60	5·91	3·07	1·92	3·45	164	85	53	96
	Gastro-enteritis and diarrhoea of the newborn (571, 764)	0·54	0·67	0·63	0·36	0·48	124	117	67	89
	Accidental mechanical suffocation from vomit, food, foreign body, or in cot (E921–E925)	0·49	0·59	0·44	0·37	0·57	120	90	76	116
	Lack of care, neglect (including foundlings), infanticide (E926, E980–E985)	0·09	*0·08*	0·11	0·10	*0·07*	89	122	111	78
	Other violent causes (rem. E800–E999)	0·11	0·11	*0·05*	0·12	0·15	100	45	109	136
Unclassified	Total causes remaining	1·16	1·31	1·13	0·94	1·26	113	97	81	109
	Neoplasms (140–239)	0·10	0·15	0·10	*0·09*	*0·06*	150	100	90	60
	Other remaining causes	1·06	1·17	1·03	0·85	1·20	110	97	80	113
Immaturity, or with mention of immaturity (774, 776, 760·5–773·5)		7·70	8·06	7·41	7·29	8·07	105	96	95	105
Immaturity alone, or primary to diseases other than of early infancy (774, 776)		3·56	3·56	3·59	3·50	3·59	100	101	98	101
Immaturity associated with diseases of early infancy (760·5–773·5)		4·14	4·50	3·82	3·79	4·48	109	92	92	108
All other causes		13·98	17·21	13·46	11·15	14·06	123	96	80	101

Table LXVIII. Infant deaths at various ages per 1,000 live births, and combined stillbirths and infant deaths per 1,000 total births, in standard regions, conurbations, and urban and rural aggregates within regional groups, 1962, England and Wales

	Infant mortality per 1,000 live births										Stillbirths and infant deaths. Rates per 1,000 total births				
						Early neonatal period		Post-neonatal period							
	Total infant mortality (under 1 year)	Neonatal mortality (under 4 weeks)	Early neonatal mortality (under 1 week)	Late neonatal mortality (1 week and under 4 weeks)	Post-neonatal mortality (4 weeks and under 1 year)	Under 1 day	1 day and under 1 week	4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year	Stillbirths plus infant deaths under 1 year	Stillbirths (late foetal deaths at or over 28 weeks' gestation)	Stillbirths plus infant deaths under 1 week	Infant deaths at 1 week and over	Stillbirths plus infant deaths under 4 weeks
ENGLAND AND WALES ..	**21·68**	**15·09**	**12·98**	**2·11**	**6·59**	**7·41**	**5·58**	**2·54**	**2·30**	**1·76**	**39·39**	**18·10**	**30·85**	**8·54**	**32·92**
Urban and rural aggregates:															
Conurbations	22·44	15·55	13·52	2·03	6·89	8·02	5·50	2·72	2·45	1·72	39·95	17·91	31·20	8·76	33·19
Areas outside conurbations:															
Urban areas with populations of 100,000 and over	22·78	15·69	13·34	2·35	7·09	7·61	5·73	2·69	2·58	1·82	40·82	18·46	31·55	9·26	33·86
Urban areas with populations of 50,000 and under 100,000.. ..	21·30	14·63	12·69	1·95	6·67	6·88	5·80	2·64	2·20	1·83	39·48	18·58	31·03	8·46	32·94
Urban areas with populations under 50,000	21·36	14·85	12·55	2·30	6·51	6·80	5·75	2·46	2·19	1·86	39·41	18·44	30·76	8·65	33·02
Rural districts	20·03	14·27	12·30	1·97	5·76	6·98	5·32	2·11	2·01	1·64	37·33	17·65	29·73	7·60	31·67
NORTH OF ENGLAND	**24·76**	**16·78**	**14·35**	**2·42**	**7·99**	**8·22**	**6·13**	**3·11**	**2·83**	**2·04**	**43·73**	**19·45**	**33·53**	**10·21**	**35·90**
Regions:															
Northern	24·27	16·80	14·16	2·64	7·47	8·27	5·89	3·05	2·49	1·92	43·55	19·75	33·64	9·91	36·23
East and West Ridings	23·21	15·86	13·35	2·51	7·34	7·90	5·45	2·38	2·97	1·99	41·19	18·41	31·52	9·67	33·98
North Western	25·95	17·32	15·05	2·26	8·63	8·40	6·65	3·59	2·92	2·13	45·38	19·94	34·70	10·68	36·91
Conurbations:															
Tyneside	24·25	16·37	13·79	2·58	7·87	7·75	6·05	3·53	2·77	1·57	43·35	19·57	33·10	10·25	35·63
West Yorkshire	23·58	15·90	13·78	2·12	7·68	8·55	5·24	2·41	3·41	1·86	41·29	18·14	31·67	9·62	33·75
South East Lancashire	26·89	17·47	15·07	2·40	9·42	8·66	6·41	3·97	3·12	2·33	45·78	19·42	34·19	11·59	36·55
Merseyside	28·08	18·63	16·68	1·94	9·45	10·23	6·45	4·20	3·10	2·15	47·79	20·29	36·63	11·16	38·54
Areas outside conurbations:															
Urban areas with populations of 100,000 and over	24·20	16·82	13·90	2·91	7·38	7·89	6·02	2·63	2·85	1·90	42·63	18·89	32·53	10·10	35·39
Urban areas with populations of 50,000 and under 100,000.. ..	24·69	16·06	13·57	2·49	8·62	7·22	6·35	3·63	3·02	1·97	44·59	20·41	33·70	10·89	36·14
Urban areas with populations under 50,000	23·64	16·47	13·92	2·55	7·17	7·75	6·17	2·67	2·33	2·17	43·27	20·11	33·75	9·52	36·25
Rural districts	22·61	16·13	13·75	2·38	6·48	7·53	6·22	2·24	2·33	1·92	41·03	18·85	32·34	8·70	34·67

Table LXVIII—*continued*

	Infant mortality per 1,000 live births										Stillbirths and infant deaths. Rates per 1,000 total births				
	Total infant mortality (under 1 year)	Neonatal mortality (under 4 weeks)	Early neonatal mortality (under 1 week)	Late neonatal mortality (1 week and under 4 weeks)	Post-neonatal mortality (4 weeks and under 1 year)	Early neonatal period		Post-neonatal period			Stillbirths plus infant deaths under 1 year	Stillbirths (late foetal deaths at or over 28 weeks' gestation)	Stillbirths plus infant deaths under 1 week	Infant deaths at 1 week and over	Stillbirths plus infant deaths under 4 weeks
						Under 1 day	1 day and under 1 week	4 weeks and under 3 months	3 months and under 6 months	6 months and under 1 year					
WALES AND MIDLANDS	**22·57**	**15·39**	**13·15**	**2·24**	**7·18**	**7·20**	**5·95**	**2·80**	**2·53**	**1·85**	**41·91**	**19·79**	**32·68**	**9·23**	**34·87**
Regions:															
Wales	25·34	16·95	14·50	2·45	8·40	7·36	7·14	3·24	3·04	2·12	46·74	21·96	36·14	10·60	38·53
North Midland	21·32	14·56	12·23	2·33	6·75	6·96	5·27	2·67	2·26	1·82	39·61	18·69	30·69	8·92	32·98
Midland	22·12	15·23	13·16	2·07	6·89	7·30	5·86	2·68	2·47	1·73	41·21	19·53	32·43	8·78	34·46
Conurbation:															
West Midlands	22·02	14·85	12·84	2·01	7·17	7·12	5·72	2·72	2·50	1·94	40·88	19·29	31·88	9·00	33·85
Areas outside conurbation:															
Urban areas with populations of 100,000 and over	24·32	16·40	13·95	2·45	7·92	8·08	5·87	3·18	2·84	1·90	44·27	20·45	34·11	10·16	36·51
Urban areas with populations of 50,000 and under 100,000	21·67	14·57	12·54	2·03	7·10	6·69	5·85	2·27	2·51	2·33	40·74	19·49	31·78	8·96	33·77
Urban areas with populations under 50,000	23·12	16·04	13·40	2·64	7·08	6·89	6·51	2·83	2·45	1·80	42·86	20·20	33·33	9·53	35·92
Rural districts	21·49	14·73	12·77	1·96	6·75	7·10	5·67	2·74	2·41	1·61	40·50	19·43	31·96	8·55	33·88
SOUTH AND EAST OF ENGLAND (excluding Greater London)	**18·73**	**13·36**	**11·57**	**1·79**	**5·37**	**6·56**	**5·01**	**1·98**	**1·79**	**1·61**	**34·63**	**16·21**	**27·59**	**7·05**	**29·35**
Regions:															
London and South Eastern (excluding Greater London)	18·46	12·80	11·20	1·61	5·66	6·70	4·49	2·23	2·07	1·36	33·92	15·75	26·77	7·15	28·35
Southern	19·53	13·65	11·77	1·88	5·88	6·67	5·10	2·07	1·77	2·03	34·69	15·46	27·05	7·64	28·90
South Western	19·55	13·96	11·87	2·09	5·59	6·68	5·19	2·16	1·75	1·68	37·04	17·84	29·50	7·54	31·55
Eastern	17·61	13·00	11·41	1·58	4·61	6·27	5·14	1·58	1·64	1·38	33·05	15·73	26·96	6·10	28·52
Urban areas with populations of 100,000 and over	20·36	14·24	12·38	1·85	6·12	6·99	5·39	2·30	2·13	1·69	36·38	16·36	28·54	7·84	30·36
Urban areas with populations of 50,000 and under 100,000	19·22	13·84	12·24	1·60	5·37	6·77	5·47	2·22	1·60	1·55	36·03	17·14	29·18	6·85	30·75
Urban areas with populations under 50,000	18·26	12·70	10·86	1·84	5·56	6·02	4·84	2·01	1·87	1·68	33·76	15·79	26·47	7·29	28·29
Rural districts	18·02	13·19	11·39	1·80	4·83	6·67	4·72	1·67	1·63	1·53	33·73	16·00	27·21	6·53	28·98
GREATER LONDON	**19·56**	**14·37**	**12·52**	**1·86**	**5·18**	**7·56**	**4·95**	**2·00**	**1·83**	**1·35**	**35·50**	**16·27**	**28·58**	**6·93**	**30·40**

Table LXIX. Infant deaths per 1,000 live births in regional groups from the principal causes of infant mortality; regional group rates as percentages of corresponding national rates, 1962, England and Wales

Aetiological group	Cause of death (and ICD No.)	Rates per 1,000 live births					Regional group rates per cent of England and Wales rate			
		England and Wales	North of England	Wales and Midlands	South and East of England (excluding Greater London)	Greater London	North of England	Wales and Midlands	South and East of England (excluding Greater London)	Greater London
	All causes	**21·68**	**24·76**	**22·57**	**18·73**	**19·56**	**114**	**104**	**86**	**90**
Prenatal and natal group (including congenital malformations)	Congenital malformations (750–759)	4·58	4·92	4·96	4·29	3·88	107	108	94	85
	Total causes mainly of prenatal and natal origin other than congenital malformations	10·50	11·66	10·30	9·46	10·35	111	98	90	99
	Intracranial and spinal injury at birth (760)	1·59	1·92	1·64	1·34	1·33	121	103	84	84
	Other birth injury (including maternal antepartum haemorrhage) (761)	0·63	0·56	0·64	0·62	0·74	89	102	98	117
	Postnatal asphyxia and atelectasis (762)	3·19	3·66	3·02	2·80	3·19	115	95	88	100
	Attributed to maternal toxaemia (769)	0·28	0·20	0·30	0·32	0·32	71	107	114	114
	Erythroblastosis (770)	0·42	0·42	0·39	0·44	0·45	100	93	105	107
	Haemorrhagic disease of newborn (771)	0·28	0·31	0·34	0·24	0·20	111	121	86	71
	Ill-defined diseases of early infancy (773)	0·56	0·53	0·66	0·47	0·61	95	118	84	109
	Immaturity alone, or primary to diseases other than of early infancy (774, 776)	3·56	4·06	3·32	3·24	3·52	114	93	91	99
Postnatal group	Total causes mainly of postnatal origin	5·45	6·90	6·06	4·02	4·22	127	111	74	77
	Causes classified as infective (001–138) and others mainly infective in origin (340, 391–393, 470–483, 518, 519, 690–698, 765–768)	0·63	0·75	0·77	0·47	0·44	119	122	75	70
	Septicaemia, skin and subcutaneous tissue infections and sepsis of newborn (053, 690–698, 765–768)	0·10	0·08	0·17	*0·07*	*0·08*	80	170	70	80
	Whooping cough and measles (056, 085)	0·03	*0·03*	*0·02*	*0·03*	*0·01*	100	67	100	33
	Meningococcal infections and non-meningococcal meningitis (057, 340)	0·27	0·27	0·37	0·20	0·22	100	137	74	81

Table LXIX—*continued*

Aetiological group	Cause of death (and ICD No.)	Rates per 1,000 live births					Regional group rates per cent of England and Wales rate			
		England and Wales	North of England	Wales and Midlands	South and East of England (excluding Greater London)	Greater London	North of England	Wales and Midlands	South and East of England (excluding Greater London)	Greater London
Postnatal group–(*contd.*)	Causes classified as infective not specified above (rem. 001–138) ..	0·08	0·13	*0·05*	*0·07*	*0·05*	163	62	88	62
	Otitis media and mastoiditis, empyema and pleurisy (391–393, 518, 519)	0·07	0·10	*0·07*	*0·05*	*0·05*	143	100	71	71
	Acute upper respiratory infections, and influenza (470–475, 480–483)	0·08	0·12	*0·09*	*0·05*	*0·03*	150	112	62	38
	Pneumonia and bronchitis (490–493, 763, 500–502)	3·60	4·52	3·92	2·56	3·13	126	109	71	87
	Gastro-enteritis (including diarrhoea of newborn) (571, 764)	0·54	0·82	0·64	0·27	0·29	152	119	50	54
	Accidental mechanical suffocation from vomit, food, foreign body, or in cot (E921–E925)	0·49	0·63	0·52	0·50	0·19	129	106	102	39
	Lack of care, neglect (including foundlings), infanticide (E926, E980–E985)	0·09	0·08	0·13	*0·08*	*0·06*	89	144	89	67
	Other violent causes (rem. E800–E999)	0·11	0·10	*0·08*	0·13	*0·11*	91	73	118	100
Unclassified	Total causes remaining	1·16	1·29	1·25	0·97	1·10	111	108	84	95
	Neoplasms (140–239)	0·10	0·10	*0·09*	0·12	*0·07*	100	90	120	70
	Other remaining causes	1·06	1·18	1·16	0·85	1·03	111	109	80	97
Immaturity, or with mention of immaturity (774, 776, 760·5–773·5)		7·70	8·74	7·52	6·77	7·56	114	98	88	98
Immaturity alone, or primary to diseases other than of early infancy (774, 776)		3·56	4·06	3·32	3·24	3·52	114	93	91	99
Immaturity associated with diseases of early infancy (760·5–773·5)		4·14	4·69	4·20	3·53	4·03	113	101	85	97
All other causes		13·98	16·02	15·04	11·96	12·00	115	108	86	86

Table LXX. Trend of stillbirths, per 1,000 total births, and of deaths in the neonatal, and post-neonatal periods per 1,000 live births, in standard regions, 1958 to 1962, England and Wales

		Rates in each year 1958 to 1962					Rates in 1959 to 1962 per cent of rate in 1958			
		1958	1959	1960	1961	1962	1959	1960	1961	1962
Stillbirths (at or over 28 weeks' gestation) per 1,000 total births	ENGLAND AND WALES	21·5	20·8	19·8	19·0	18·1	97	92	88	84
	NORTH OF ENGLAND	23·5	22·3	21·9	21·0	19·5	95	93	89	83
	Northern	23·0	22·4	22·3	21·7	19·6	97	97	94	85
	East and West Ridings..	22·7	20·9	20·9	20·1	18·4	92	92	89	81
	North Western	24·4	23·2	22·3	21·2	19·9	95	91	87	82
	WALES AND MIDLANDS	23·8	23·1	21·4	20·4	19·8	97	90	86	83
	Wales	26·3	26·3	23·6	22·4	22·0	100	90	85	84
	North Midland	22·9	21·2	20·6	19·6	18·7	93	90	86	82
	Midland	23·0	22·9	20·9	19·9	19·5	100	91	87	85
	SOUTH AND EAST OF ENGLAND (excluding Greater London) ..	18·7	18·7	17·5	17·0	16·2	100	94	91	87
	London and South Eastern (excluding Greater London)	18·2	18·6	17·1	16·3	15·7	102	94	90	96
	Southern	17·4	18·1	16·2	16·2	15·5	104	93	93	89
	South Western	20·4	19·7	18·3	18·3	17·8	97	90	90	87
	Eastern	18·8	18·5	17·9	17·1	15·7	98	95	91	84
	GREATER LONDON ..	18·9	17·9	17·1	16·6	16·3	95	90	88	86
Neonatal mortality per 1,000 live births	ENGLAND AND WALES	16·2	15·9	15·5	15·3	15·1	98	96	94	93
	NORTH OF ENGLAND	18·1	17·5	17·1	16·9	16·8	97	94	93	93
	Northern	18·6	18·0	17·4	16·5	16·8	97	94	89	90
	East and West Ridings..	17·2	16·7	16·0	16·4	15·9	97	93	95	92
	North Western	18·4	17·8	17·6	17·4	17·3	97	96	95	94
	WALES AND MIDLANDS	17·0	16·8	16·1	15·6	15·4	99	95	92	91
	Wales	18·9	19·6	18·7	17·5	16·9	104	99	93	89
	North Midland	15·8	15·2	14·8	14·4	14·6	96	94	91	92
	Midland	16·9	16·6	15·8	15·6	15·2	98	93	92	90
	SOUTH AND EAST OF ENGLAND (excluding Greater London) ..	13·9	13·6	13·6	13·5	13·4	98	98	97	96
	London and South Eastern (excluding Greater London)	13·4	13·7	13·2	13·8	12·8	102	99	103	96
	Southern	14·8	13·3	13·5	13·7	13·7	90	91	93	93
	South Western	14·7	13·6	14·4	13·2	14·0	93	98	90	95
	Eastern	13·1	13·6	13·3	13·3	13·0	104	102	102	99
	GREATER LONDON ..	14·7	15·1	14·8	15·0	14·4	103	101	102	98
Post-neonatal mortality per 1,000 live births	ENGLAND AND WALES	6·4	6·3	6·3	6·1	6·6	98	98	95	103
	NORTH OF ENGLAND	7·3	7·4	7·7	7·4	8·0	101	105	101	110
	Northern	7·0	7·2	7·2	6·7	7·5	103	103	96	107
	East and West Ridings..	7·2	7·6	7·0	7·8	7·3	106	97	108	101
	North Western	7·6	7·4	8·3	7·5	8·6	97	109	99	113
	WALES AND MIDLANDS	6·9	6·7	6·6	6·2	7·2	97	96	90	104
	Wales	7·6	6·7	6·6	6·6	8·4	88	87	87	111
	North Midland	6·8	6·7	7·0	5·6	6·8	99	103	82	100
	Midland	6·7	6·8	6·2	6·5	6·9	101	93	97	103
	SOUTH AND EAST OF ENGLAND (excluding Greater London) ..	5·5	5·3	5·2	5·4	5·4	96	95	96	98
	London and South Eastern (excluding Greater London)	5·3	5·4	5·3	5·4	5·7	102	100	102	108
	Southern	5·5	5·6	5·3	5·8	5·9	102	96	105	107
	South Western	6·2	5·4	4·8	5·1	5·6	87	77	82	90
	Eastern	5·0	5·0	5·2	4·9	4·6	100	104	98	92
	GREATER LONDON ..	5·2	5·4	5·1	4·9	5·2	104	98	94	100

Table LXXI. Maternal deaths from principal causes, and

	MATERNAL DEATHS (complications of pregnancy, childbirth and puerperium,								
	Puerperal phlebitis, thrombosis and embolism	Puerperal sepsis	Antepartum haemorrhage	Postpartum haemorrhage	Toxaemia	Prolonged labour	Trauma, shock: other complication of delivery	Other causes	Total maternal causes other than abortion
ICD No.	682, 684	640, 641, 681	643, 644, 670	671, 672	642, 685, 686	673–675	676–678	Rem. 640–648 660–689	640–648 660–689
1931	215	712	330		494	507			2,258
1932	226	628	334		511	514			2,213
1933	206	694	310		508	533			2,251
1934	188	800	304		538	537			2,367
1935	192	647	292		488	507			2,126
1936	183	561	302		510	455			2,011
1937	152	347	307		510	457			1,773
1938	178	277	312		472	503			1,742
1939	154	248	117	179	478	467			1,643
1940	134	195	106	180	398	125	111	124	1,373
1941	134	141	101	210	381	155	109	122	1,353
1942	128	151	87	198	410	158	94	133	1,359
1943	136	132	86	187	375	165	106	112	1,299
1944	107	105	84	179	328	176	87	113	1,179
1945	86	82	68	158	321	148	72	92	1,027
1946	102	53	85	162	359	117	83	91	1,052
1947	110	33	56	156	312	110	63	77	917
1948	67	33	46	115	249	66	55	55	686
1949	56	32	38	90	199	69	60	65	609
1950	62	26	44	38	185	42	54	66	517
1951	49	16	35	53	141	38	37	50	419
1952	52	10	19	39	122	32	43	56	373
1953	49	17	39	51	143	31	34	55	419
1954	51	13	32	44	104	32	41	53	370
1955	55	17	24	41	91	31	23	57	339
1956	32	13	33	24	93	34	15	58	302
1957	32	18	27	22	77	27	23	46	272
1958	40	13	25	33	66	21	20	47	265
1959	30	17	21	23	57	18	26	51	243
1960	27	8	25	19	63	26	36	44	248
1961	24	6	20	23	55	15	32	45	220
1962	34	12	23	20	53	20	23	57	242

* Note. *Excludes* the following cases in which it was stated that death followed the maternal 1955–34, 1956–25, 1957–16, 1958–22, 1959–21, 1960–26, 1961–11, 1962–20.

associated maternal deaths, 1931 to 1962, England and Wales

including abortion)						ASSOCIATED MATERNAL DEATHS			
Abortion				Abortion all forms	Total* maternal deaths	Other than abortion	With abortion	Total	Total attributed to, or associated with, maternal causes
Criminal		Other							
With sepsis	Without mention of sepsis	With sepsis	Without mention of sepsis						
651·2	650·2 652·2	Rem. 651	Rem. 650, 652	650–652	640–689				
52	27	229	140	448	**2,706**	834	77	911	**3,617**
46	23	262	139	470	**2,683**	623	90	713	**3,396**
56	29	257	144	486	**2,737**	731	97	828	**3,565**
67	33	295	118	513	**2,880**	683	64	747	**3,627**
64	30	262	108	464	**2,590**	638	74	712	**3,302**
49	24	242	105	420	**2,431**	541	70	611	**3,042**
56	28	176	109	369	**2,142**	585	104	689	**2,831**
54	26	173	101	354	**2,096**	449	81	530	**2,626**
80	28	167	79	354	**1,997**	429	49	478	**2,475**
43	33	116	76	268	**1,641**	368	56	424	**2,065**
66	24	145	90	325	**1,678**	358	47	405	**2,083**
64	12	175	62	313	**1,672**	363	49	412	**2,084**
76	15	166	64	321	**1,620**	437	57	494	**2,114**
75	7	168	63	313	**1,492**	383	52	435	**1,927**
65	9	109	50	233	**1,260**	342	19	361	**1,621**
41	5	69	42	157	**1,209**	353	37	390	**1,599**
37	3	54	49	143	**1,060**	264	44	308	**1,368**
34	4	55	32	125	**811**	231	16	247	**1,058**
20	9	58	31	118	**727**	157	19	176	**903**
25	21	39	18	103	**620**	180	21	201	**821**
33	26	34	14	107	**526**	151	9	160	**686**
19	28	28	15	90	**463**	153	8	161	**624**
17	24	22	13	76	**495**	121	7	128	**623**
10	25	22	19	76	**446**	116	5	121	**567**
17	15	19	15	66	**405**	108	7	115	**520**
20	16	20	16	72	**374**	119	6	125	**499**
15	15	18	13	61	**333**	122	6	128	**461**
8	12	27	16	63	**328**	94	4	98	**426**
13	10	16	8	47	**290**	75	7	82	**372**
12	18	21	11	62	**310**	70	5	75	**385**
8	15	24	7	54	**274**	68	3	71	**345**
11	18	17	11	57	**299**	75	2	77	**376**

condition after an interval of more than 12 months: 1951–40, 1952–35, 1953–32, 1954–34,

Table LXXII. Maternal mortality rates, distinguishing principal causes, 1931 to 1962,

	MATERNAL MORTALITY RATES (complications of pregnancy, childbirth and puerperium,								
	Puerperal phlebitis, thrombosis and embolism	Puerperal sepsis	Ante-partum haemorrhage	Post-partum haemorrhage	Toxaemia	Prolonged labour	Trauma, shock: other complication of delivery	Other causes	Total maternal causes other than abortion
ICD No.	682, 684	640, 641, 681	643, 644, 670	671, 672	642, 685, 686	673–675	676–678	Rem. 640–648 660–689	640–648 660–689
1931	33	108	50		75	77			343
1932	35	98	52		80	80			346
1933	34	115	51		84	88			372
1934	30	128	49		86	86			380
1935	31	104	47		78	81			341
1936	29	89	48		81	72			319
1937	24	55	48		80	72			279
1938	28	43	48		73	78			270
1939	24	39	18	28	75	73			257
1940	22	32	17	29	65	20	18	20	224
1941	22	24	17	35	64	26	18	20	226
1942	19	22	13	29	61	23	14	20	202
1943	19	19	12	27	53	23	15	16	184
1944	14	14	11	23	42	23	11	15	153
1945	12	12	10	23	46	21	10	13	147
1946	12	6	10	19	43	14	10	11	125
1947	12	4	6	17	35	12	7	9	102
1948	8	4	6	14	31	8	7	7	86
1949	7	4	5	12	27	9	8	9	81
1950	9	4	6	5	26	6	8	9	72
1951	7	*2*	5	8	20	5	5	7	60
1952	8	*1*	*3*	6	18	5	6	8	54
1953	7	*2*	6	7	20	4	5	8	60
1954	7	*2*	5	6	15	5	6	8	54
1955	8	*2*	4	6	13	5	3	8	50
1956	4	*2*	5	3	13	5	*2*	8	42
1957	4	*2*	4	3	10	4	3	6	37
1958	5	*2*	3	4	9	3	3	6	35
1959	4	*2*	3	3	7	*2*	3	7	32
1960	3	*1*	3	*2*	8	3	4	5	31
1961	3	*1*	2	3	7	*2*	4	5	27
1962	4	*1*	3	2	6	2	3	7	28

Note. Figures for 1931 to 1938 are based on live and still birth registrations, and from

and associated maternal mortality rates per 100,000 total births, England and Wales

including abortion)						ASSOCIATED MATERNAL MORTALITY RATES			
Abortion				Abortion all forms	Total* maternal mortality rates	Other than abortion	With abortion	Total	Total attributed to, or associated with, maternal causes
Criminal		Other							
With sepsis	Without mention of sepsis	With sepsis	Without mention of sepsis						
651·2	650·2 652·2	Rem. 651	Rem. 650, 652	650–652	640–689				
8	4	35	21	68	**411**	127	12	138	**549**
7	4	41	22	73	**419**	97	14	111	**530**
9	5	42	24	80	**452**	121	16	137	**589**
11	5	47	19	82	**462**	110	10	120	**582**
10	5	42	17	74	**415**	102	12	114	**529**
8	4	38	17	67	**386**	86	11	97	**483**
9	4	28	17	58	**337**	92	16	108	**446**
8	4	27	16	55	**324**	70	13	82	**407**
13	4	26	12	55	**313**	67	8	75	**387**
7	5	19	12	44	**268**	60	9	69	**337**
11	4	24	15	54	**280**	60	8	68	**347**
9	*2*	26	9	46	**248**	54	7	61	**309**
11	*2*	24	9	45	**230**	62	8	70	**300**
10	*1*	22	8	41	**193**	50	7	56	**249**
9	*1*	16	9	33	**180**	49	*3*	52	**232**
5	*1*	8	5	19	**143**	42	4	46	**190**
4	*0*	6	5	16	**117**	29	5	34	**152**
4	1	7	4	16	**102**	29	*2*	31	**133**
3	*1*	8	4	16	**97**	21	*3*	24	**121**
4	3	5	*3*	14	**87**	25	3	28	**115**
5	4	5	*2*	15	**76**	22	*1*	23	**99**
3	4	4	*2*	13	**67**	22	*1*	23	**91**
2	3	3	*2*	11	**71**	17	*1*	18	**89**
1	4	3	*3*	11	**65**	17	*1*	18	**82**
2	*2*	*3*	*2*	10	**59**	16	*1*	17	**76**
3	*2*	3	*2*	10	**52**	17	*1*	17	**70**
2	*2*	*2*	*2*	8	**45**	16	*1*	17	**62**
1	*2*	4	*2*	8	**43**	12	*1*	13	**56**
2	*1*	*2*	*1*	6	**38**	10	*1*	11	**49**
1	*2*	3	*1*	8	**39**	9	*1*	9	**48**
1	*2*	3	*1*	7	**33**	8	*0*	9	**42**
1	*2*	*2*	*1*	7	**35**	9	*0*	9	**44**

1939 onwards on occurrences.

* See footnote to Table LXXI.

Table LXXIII. Maternal deaths attributed to or associated with abortion, 1931 to 1962, England and Wales

	Spontaneous or induced for therapeutic reasons		Induced for non-therapeutic reasons		Total attributed to abortion (including criminal)	Others associated with abortion	Total attributed to, or associated with, abortion	Percentage of deaths due to abortion which had mention of sepsis
	With sepsis	Without sepsis	With sepsis	Without sepsis*				
1931 ..	229	140	52	27	**448**	77	**525**	*63*
1932 ..	262	139	46	23	**470**	90	**560**	*66*
1933 ..	257	144	56	29	**486**	97	**583**	*64*
1934 ..	295	118	67	33	**513**	64	**577**	*71*
1935 ..	262	108	64	30	**464**	74	**538**	*70*
1936 ..	242	105	49	24	**420**	70	**490**	*69*
1937 ..	176	109	56	28	**369**	104	**473**	*63*
1938 ..	173	101	54	26	**354**	81	**435**	*64*
1939 ..	167	79	80	28	**354**	49	**403**	*70*
1940 ..	116	76	43	33	**268**	56	**324**	*59*
1941 ..	145	90	66	24	**325**	47	**372**	*65*
1942 ..	175	62	64	12	**313**	49	**362**	*76*
1943 ..	166	64	76	15	**321**	57	**379**	*75*
1944 ..	168	63	75	7	**313**	52	**367**	*78*
1945 ..	109	50	65	9	**233**	19	**253**	*75*
1946 ..	69	42	41	5	**157**	37	**194**	*70*
1947 ..	54	49	37	3	**143**	44	**184**	*64*
1948 ..	55	32	34	4	**125**	16	**139**	*71*
1949 ..	58	31	20	9	**118**	19	**137**	*66*
1950 ..	39	18	25	21	**103**	21	**124**	*62*
1951 ..	34	14	33	26	**107**	9	**116**	*63*
1952 ..	28	15	19	28	**90**	8	**98**	*52*
1953 ..	22	13	17	24	**76**	7	**83**	*51*
1954 ..	22	19	10	25	**76**	5	**81**	*42*
1955 ..	19	15	17	15	**66**	7	**75**	*56*
1956 ..	20	16	20	16	**72**	6	**78**	*56*
1957 ..	18	13	15	15	**61**	6	**67**	*54*
1958 ..	27	16	8	12	**63**	4	**67**	*56*
1959 ..	16	8	13	10	**47**	7	**54**	*62*
1960 ..	21	11	12	18	**62**	5	**67**	*53*
1961 ..	24	7	8	15	**54**	3	**57**	*59*
1962 ..	17	11	11	18	**57**	2	**59**	*49*

* Deaths due to attempted abortion, formerly classed to accidental causes, are included for years 1950 onwards.

Table LXXIV. Deaths assigned to pregnancy or childbearing, by age and cause, 1962, England and Wales

ICD No.	Cause of death	All ages	15–	20–	25–	30–	35–	40–	45 and over
640–648	**Complications of pregnancy**	**105**	**3**	**22**	**24**	**23**	**20**	**12**	**1**
640	Pyelitis and pyelonephritis of pregnancy	3	—	1	—	1	1	—	—
641	Other infections of genito-urinary tract during pregnancy	—	—	—	—	—	—	—	—
642	Toxaemias of pregnancy	50	2	11	11	10	10	6	—
643	Placenta praevia	—	—	—	—	—	—	—	—
644	Other haemorrhage of pregnancy	4	—	2	1	1	—	—	—
645	Ectopic pregnancy	22	—	5	3	8	3	3	—
646	Anaemia of pregnancy	—	—	—	—	—	—	—	—
647	Pregnancy with malposition of foetus in uterus	—	—	—	—	—	—	—	—
648	Other complications arising from pregnancy	26	1	3	9	3	6	3	1
650–652	**Abortion**	**57**	**3**	**11**	**14**	**14**	**9**	**6**	—
650	Abortion without mention of sepsis or toxaemia	28	1	4	5	9	3	6	—
651	Abortion with sepsis	28	2	7	8	5	6	—	—
652	Abortion with toxaemia, without mention of sepsis	1	—	—	1	—	—	—	—
660	**Delivery without mention of complication**	**4**	—	—	**1**	**1**	—	**2**	—
670–678	**Delivery with specified complication**	**82**	—	**13**	**18**	**22**	**15**	**14**	—
670	Delivery complicated by placenta praevia or antepartum haemorrhage	19	—	1	1	8	6	3	—
671	Delivery complicated by retained placenta	3	—	1	1	—	—	1	—
672	Delivery complicated by other post-partum haemorrhage	17	—	4	4	6	1	2	—
673	Delivery complicated by abnormality of bony pelvis	2	—	—	2	—	—	—	—
674	Delivery complicated by disproportion or malposition of foetus	8	—	1	3	1	2	1	—
675	Delivery complicated by prolonged labour of other origin	10	—	1	4	3	1	1	—
676	Delivery with laceration of perineum, without mention of other laceration	—	—	—	—	—	—	—	—
677	Delivery with other trauma	8	—	2	—	1	3	2	—
678	Delivery with other complications of childbirth	15	—	3	3	3	2	4	—
680–689	**Complications of the puerperium**	**51**	**1**	**7**	**11**	**16**	**10**	**6**	—
680	Puerperal urinary infection without other sepsis	—	—	—	—	—	—	—	—
681	Sepsis of childbirth and the puerperium	9	1	2	1	2	3	—	—
682	Puerperal phlebitis and thrombosis	25	—	2	8	7	3	5	—
683	Pyrexia of unknown origin during the puerperium	—	—	—	—	—	—	—	—
684	Puerperal pulmonary embolism	9	—	—	2	3	3	1	—
685	Puerperal eclampsia	3	—	2	—	—	1	—	—
686	Other forms of puerperal toxaemia	—	—	—	—	—	—	—	—
687	Cerebral haemorrhage in the puerperium	2	—	—	—	2	—	—	—
688	Other and unspecified complications of the puerperium	2	—	1	—	1	—	—	—
689	Mastitis and other disorders of lactation	1	—	—	—	1	—	—	—
640–648, 660–689	**Deliveries and complications of pregnancy, childbirth, and the puerperium (excluding abortion)**	**242**	**4**	**42**	**54**	**62**	**45**	**34**	**1**
640–689	**Deliveries and complications of pregnancy, childbirth, and the puerperium (including abortion)**	**299**	**7**	**53**	**68**	**76**	**54**	**40**	**1**

Note: *Excludes* 26 cases in which it was stated that death followed the maternal condition after an interval of more than 12 months.

Table LXXV. Deaths not assigned to pregnancy or childbearing but certified as associated therewith, 1962, England and Wales

ICD No.	Cause of death	All ages	15–	20–	25–	30–	35–	40–	45 and over
002	Pulmonary tuberculosis	1	—	—	—	—	1	—	—
084	Smallpox	1	—	1	—	—	—	—	—
122·1	Toxoplasmosis	1	1	—	—	—	—	—	—
140–199	Malignant neoplasms	7	1	—	—	3	1	2	—
214	Fibromyoma	2	—	1	—	1	—	—	—
216	Benign neoplasm of ovary	1	—	—	—	1	—	—	—
223	Angioma of central nervous system	1	—	—	—	1	—	—	—
241	Asthma	2	—	—	—	—	2	—	—
260	Diabetes mellitus	3	—	1	—	1	—	1	—
274	Acute adrenal failure	1	—	—	—	1	—	—	—
292	Other specified types of anaemia	3	—	2	—	1	—	—	—
299	Bone marrow aplasia	1	—	1	—	—	—	—	—
330–334	Vascular lesions affecting central nervous system	3	—	—	1	—	1	1	—
353·2	Status epilepticus	1	—	—	1	—	—	—	—
410	Diseases of mitral valve	13	—	1	5	4	3	—	—
414	Rheumatic endocarditis	1	—	—	—	1	—	—	—
416	Rheumatic heart disease	2	—	1	1	—	—	—	—
420·1	Coronary disease	1	—	—	—	—	1	—	—
422	Other myocardial degeneration	1	—	—	1	—	—	—	—
431	Acute myocarditis, not specified as rheumatic	2	—	1	1	—	—	—	—
463	Thrombophlebitis of leg	1	—	—	—	—	1	—	—
468·1	Non-specific mesenteric Lymphadenitis	1	—	—	1	—	—	—	—
480–483	Influenza	3	—	—	—	3	—	—	—
490–493	Pneumonia	4	—	2	1	1	—	—	—
500	Acute bronchitis	1	—	—	1	—	—	—	—
550	Acute appendicitis	2	1	—	1	—	—	—	—
570	Strangulation of intestine	1	1	—	—	—	—	—	—
571·1	Enteritis	1	—	1	—	—	—	—	—
590–594	Nephritis	2	—	—	1	—	—	1	—
600·0	Pyelonephritis	2	—	—	1	1	—	—	—
601	Hydronephrosis	1	—	—	1	—	—	—	—
606	Bladder neck obstruction	1	—	—	—	1	—	—	—
754	Congenital malformations of circulatory system	6	2	3	1	—	—	—	—
E800–E999	Accidents, poisonings, violence	3	—	—	1	—	1	1	—
	Total	**77**	**6**	**15**	**19**	**20**	**11**	**6**	—
	Associated with abortion (included above)	**2**	—	**1**	—	—	—	**1**	—

Table LXXVI. Tuberculosis of the respiratory system, death rates per million living, by sex and age, 1931 to 1962, England and Wales

	0–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75 and over
Males											
1931–35 ..	85	42	64	490	963	961	1,140	1,368	1,176	723	275
1936–40 ..	61	20	44	366	742	785	937	1,210	1,216	718	296
1941–45 ..	76	24	34	339	581	674	811	1,114	1,203	741	295
1946 ..	68	22	23	239	481	615	687	1,020	1,165	768	340
1947 ..	77	15	29	241	500	632	679	1,034	1,213	812	267
1948 ..	56	*10*	14	211	445	603	633	961	1,166	881	334
1949 ..	33	*6*	*13*	127	368	496	591	869	1,153	937	380
1949* ..	34	*7*	14	127	366	497	592	869	1,159	937	400
1950* ..	38	*9*	*8*	78	229	395	428	751	1,024	891	411
1951* ..	30	*7*	*7*	46	171	292	364	636	978	953	464
1952* ..	15	*4*	*10*	35	102	201	287	503	829	843	447
1953* ..	14	*4*	*3*	18	71	156	214	413	712	814	445
1954* ..	*9*	*2*	*1*	*13*	55	130	192	370	643	778	406
1955* ..	*3*	*1*	*1*	*8*	30	93	131	307	535	705	420
1956* ..	*7*	*1*	*2*	*7*	*14*	71	113	231	456	640	463
1957* ..	*3*	—	*2*	*3*	*12*	40	105	193	410	605	436
1958* ..	*3*	*1*	*2*	*6*	*13*	38	85	166	401	572	416
1959* ..	*4*	—	—	*2*	*6*	31	73	141	325	528	480
1960* ..	*1*	—	—	*3*	*1*	20	55	121	297	492	436
1961* ..	*3*	—	*1*	—	*3*	12	57	117	271	474	417
1962* ..	*1*	*1*	—	*1*	*3*	11	45	95	250	478	407
Females											
1931–35 ..	74	43	143	840	1,138	911	646	475	394	306	170
1936–40 ..	55	24	98	658	1,016	759	511	377	339	272	160
1941–45 ..	72	24	76	591	916	692	427	304	269	220	123
1946 ..	60	25	69	468	842	662	382	261	242	207	119
1947 ..	70	24	63	502	899	730	411	267	249	224	133
1948 ..	52	19	53	462	812	702	367	255	235	218	105
1949 ..	33	*9*	30	349	684	622	348	253	245	229	127
1949* ..	33	*10*	30	351	682	622	348	254	249	236	139
1950* ..	29	*8*	15	199	429	444	273	229	212	212	144
1951* ..	25	*8*	*14*	108	278	347	238	192	180	198	135
1952* ..	18	*5*	*6*	58	169	230	166	131	148	150	159
1953* ..	17	*5*	*3*	32	122	174	146	116	130	162	140
1954* ..	*11*	*2*	*3*	31	84	143	145	104	107	137	117
1955* ..	*6*	*2*	*4*	*12*	56	113	101	84	95	111	115
1956* ..	*4*	*1*	—	*6*	35	80	79	62	70	111	125
1957* ..	*4*	*1*	—	*6*	*12*	70	75	53	55	80	91
1958* ..	*3*	*1*	*1*	*6*	*14*	48	58	51	69	99	101
1959* ..	*4*	*1*	*1*	*2*	*7*	33	44	46	53	86	95
1960* ..	*3*	*1*	*1*	*3*	*3*	26	40	42	44	77	91
1961* ..	—	—	—	*3*	*4*	21	39	45	52	70	93
1962* ..	*1*	*1*	—	*1*	*2*	17	31	38	48	67	82

* According to the Seventh (1955) Revision of the International List. Throughout the rest of the table rates are according to the Fifth (1938) Revision.

Table LXXVII. Tuberculosis of the respiratory system, notification rates* per 100,000 living, by sex and age, 1939 to 1962, England and Wales

	All ages	0–	5–	15–	25–	35–	45–	65 and over
Males								
1939	98	17	32	132	124	124	125	46
1940	104	17	29	145	146	128	123	43
1941	115	20	33	154	155	148	141	50
1942	117	22	38	165	148	153	142	49
1943	119	27	40	166	144	154	152	50
1944	122	30	41	180	158	142	149	56
1945	118	32	40	178	160	135	142	53
1946	119	32	46	179	174	125	138	54
1947	118	40	53	193	163	116	137	56
1948	117	44	51	215	161	117	139	64
1949	119	46	49	180	159	122	146	68
1950	111	53	49	159	154	107	135	67
1951	115	53	48	170	156	117	141	72
1952	112	52	51	165	147	116	135	77
1953	110	49	49	155	133	114	139	85
1954	100	41	40	143	125	106	126	82
1955	92	36	34	125	110	96	121	81
1956	88	29	28	115	101	92	121	87
1957	82	26	23	99	97	90	114	87
1958	76	25	21	89	86	81	108	87
1959	70	21	17	70	79	79	102	89
1960	60	24	15	59	65	68	88	77
1961 ..	55	18	15	48	60	61	83	74
1962	52	18	14	44	60	59	77	68
Females								
1939	71	15	33	166	116	68	37	18
1940	70	17	30	168	120	66	35	16
1941	76	19	33	185	126	69	41	19
1942	78	20	34	204	130	70	37	18
1943	83	26	40	209	142	73	40	18
1944	86	26	40	227	150	75	38	16
1945	81	26	41	223	140	69	34	16
1946	80	28	49	213	141	65	35	16
1947	83	33	51	235	146	66	35	17
1948	86	46	58	244	151	68	35	17
1949	85	44	53	238	155	71	35	17
1950	82	43	52	238	152	69	31	16
1951	81	50	52	229	149	68	33	16
1952	80	49	53	216	148	71	35	16
1953	77	45	52	201	141	73	34	18
1954	68	37	44	187	124	63	30	17
1955	60	35	38	156	112	59	30	17
1956	55	30	31	139	101	57	29	18
1957	49	30	27	116	90	55	29	17
1958	43	25	24	97	79	47	26	17
1959	39	22	19	83	69	49	25	16
1960	33	20	18	63	60	39	23	15
1961	29	18	16	52	50	37	21	14
1962	26	18	16	43	45	32	19	14

* Notifications of tuberculosis used in this and subsequent tables for 1956 onwards are those returned to the General Register Office, and not, as in previous years, those returned to the Ministry of Health. There is a small but insignificant difference between the figures from the two sources. Cases of unstated age are omitted for 1956 onwards.

Table LXXVIII. Tuberculosis of the respiratory system, ratio of deaths to 100 notifications*, by sex and age, 1939 to 1962, England and Wales

	Males						Females					
	All ages	0–	15–	25–	45–	65 and over	All ages	0–	15–	25–	45–	65 and over
1939 ..	67	14	38	64	96	133	59	19	46	65	93	124
1940 ..	65	15	35	61	100	139	64	23	53	68	96	139
1941 ..	59	20	33	55	87	121	59	26	48	65	81	110
1942 ..	52	13	27	48	78	121	50	18	39	55	79	106
1943 ..	53	13	25	48	81	121	46	16	35	51	73	102
1944 ..	48	11	22	44	76	110	42	15	30	47	70	111
1945 ..	48	11	22	44	76	118	44	16	31	51	76	117
1946 ..	47	10	18	42	78	119	43	12	31	51	72	110
1947 ..	47	9	17	45	81	116	44	12	30	54	74	114
1948 ..	46	6	16	43	75	112	39	8	27	49	71	107
1949 ..	42	4	13	38	68	112	35	5	22	43	71	114
1950 ..	38	4	9	31	64	111	28	4	13	33	70	116
1951 ..	33	3	6	24	55	112	22	3	9	27	56	110
1952 ..	27	2	4	19	47	93	16	2	5	18	40	96
1953 ..	23	2	3	15	38	82	14	2	4	15	36	85
1954 ..	23	1	2	14	38	80	14	1	3	15	35	77
1955 ..	21	*0*	2	12	33	76	12	*1*	2	13	29	66
1956 ..	19	*1*	1	10	27	67	10	*0*	2	10	23	66
1957 ..	18	*1*	1	8	25	63	10	*1*	1	10	19	51
1958 ..	18	*1*	1	7	25	60	11	*1*	1	9	23	60
1959 ..	17	*1*	1	7	22	58	9	*1*	*1*	7	19	55
1960 ..	18	*0*	*0*	6	22	61	10	*1*	*0*	7	19	54
1961 ..	18	*1*	*0*	6	22	62	11	—	*1*	7	23	55
1962 ..	18	*0*	*0*	5	21	67	11	*0*	*0*	6	23	53

* See footnote to Table LXXVII.

Table LXXIX. Tuberculosis of the respiratory system, death rates per million living by sex and age, and notifications* per 100 deaths in standard regions, conurbations, and urban and rural aggregates within regional groups, 1962, England and Wales

	Males							Females							Persons	
	All ages	0–	5–	15–	25–	45–	65 and over	All ages	0–	5–	15–	25–	45–	65 and over	All ages	Notifications per 100 deaths
ENGLAND AND WALES ..	**93**	*1*	*1*	*2*	**29**	**164**	**455**	**28**	*1*	*0*	*2*	**24**	**43**	**73**	**59**	**648**
Urban and rural aggregates:																
Conurbations	107	*1*	—	*4*	33	189	551	32	—	*1*	*3*	23	49	95	68	730
Areas outside conurbations:																
Urban areas with populations of 100,000 and over	119	—	*2*	*5*	31	207	628	35	—	—	—	33	57	83	76	574
Urban areas with populations of 50,000 and under 100,000	101	—	—	—	*34*	185	468	31	—	—	—	39	*31*	83	64	562
Urban areas with populations under 50,000	82	—	—	*2*	25	145	377	22	—	—	*2*	20	36	51	51	602
Rural districts	59	—	*1*	—	19	101	291	20	*3*	—	*2*	18	33	45	40	612
NORTH OF ENGLAND	**110**	—	—	*1*	**38**	**201**	**534**	**29**	—	—	*3*	**35**	**40**	**67**	**68**	**606**
Regions:																
Northern	108	—	—	—	*42*	233	446	29	—	—	*8*	*34*	*37*	*82*	68	674
East and West Ridings	101	—	—	*4*	*29*	176	508	27	—	—	—	44	*30*	*58*	63	661
North Western	118	—	—	—	42	202	597	30	—	—	*2*	30	48	67	72	544
Conurbations	125	—	—	*2*	44	223	633	31	—	—	*4*	31	45	82	76	668
Tyneside	147	—	—	—	*44*	311	649	*36*	—	—	*31*	*18*	*27*	*167*	90	730
West Yorkshire	109	—	—	*10*	*36*	177	539	23	—	—	—	*36*	*24*	*53*	64	829
South East Lancashire	112	—	—	—	*47*	187	573	33	—	—	—	*28*	58	*74*	71	586
Merseyside	151	—	—	—	*52*	299	882	36	—	—	—	*39*	*64*	*88*	91	602
Areas outside conurbations:																
Urban areas with populations of 100,000 and over	131	—	—	—	*35*	262	604	38	—	—	—	*49*	*47*	*101*	83	541
Urban areas with populations of 50,000 and under 100,000	130	—	—	—	*44*	226	632	41	—	—	—	*70*	*48*	*80*	84	464
Urban areas with populations under 50,000	93	—	—	—	*35*	163	422	19	—	—	—	*25*	*29*	*35*	55	597
Rural districts	62	—	—	—	*20*	115	301	*18*	—	—	*8*	*29*	*25*	*24*	40	547

WALES AND MIDLANDS ..	99	*2*	—	*2*	30	170	525	28	*2*	*1*	*1*	23	48	72	63	606
Regions:																
Wales	137	—	—	—	*38*	221	715	36	—	—	—	*42*	*52*	*89*	86	500
North Midland	76	—	—	—	*28*	130	390	24	—	—	*4*	*23*	45	*48*	50	632
Midland	94	*5*	—	*6*	*28*	172	517	27	*5*	*3*	—	*14*	48	81	60	671
Conurbation:																
West Midlands	100	*10*	—	*6*	*35*	205	476	32	—	*6*	—	*9*	67	*101*	65	819
Areas outside conurbation:																
Urban areas with populations of 100,000 and over	154	—	—	*7*	*32*	236	1,002	33	—	—	—	*33*	*57*	*76*	92	494
Urban areas with populations of 50,000 and under 100,000	95	—	—	—	*32*	189	*407*	*28*	—	—	—	*25*	*18*	*136*	61	675
Urban areas with populations under 50,000	95	—	—	—	*31*	162	481	26	—	—	*5*	*26*	*42*	*58*	60	537
Rural districts	65	—	—	—	*23*	100	357	23	*9*	—	—	*25*	*42*	*41*	44	576
SOUTH AND EAST OF ENGLAND (excluding Greater London)	78	—	*1*	*3*	22	137	373	28	—	—	*1*	18	42	77	52	711
Regions:																
London and South Eastern (excluding Greater London)	91	—	—	*3*	24	156	444	31	—	—	*1*	18	48	90	60	719
Southern	62	—	—	—	*14*	111	340	22	—	—	—	*25*	*36*	*48*	42	763
South Western	72	—	—	—	*28*	130	299	27	—	—	—	*12*	43	78	49	593
Eastern	59	—	*7*	*7*	*16*	104	274	21	—	—	—	*18*	*29*	*58*	39	768
Urban areas with populations of 100,000 and over	83	—	*5*	*6*	*28*	145	379	34	—	—	—	*22*	64	*77*	58	710
Urban areas with populations of 50,000 and under 100,000	87	—	—	—	*29*	157	405	26	—	—	—	*28*	*27*	*69*	55	595
Urban areas with populations under 50,000	63	—	—	*4*	*13*	119	274	22	—	—	—	*12*	*37*	*56*	42	679
Rural districts	53	—	*3*	—	*16*	95	249	19	—	—	—	*9*	*31*	55	36	671
GREATER LONDON	95	—	—	*4*	25	160	507	33	—	—	*2*	21	48	104	63	763

* See footnote to Table LXXVII.

Table LXXX. Tuberculosis of the respiratory system, notification rates* per 100,000 living, by sex and age, in standard regions, 1962, England and Wales

	Males							Females							Persons
	All ages	0–	5–	15–	25–	45–	65 and over	All ages	0–	5–	15–	25–	45–	65 and over	All ages
ENGLAND AND WALES	**52**	**18**	**14**	**44**	**60**	**77**	**68**	**26**	**18**	**16**	**43**	**38**	**19**	**14**	**39**
Standard regions:															
Northern	57	24	20	43	68	85	68	35	26	22	50	55	26	19	46
East and West Ridings	59	17	12	53	82	76	68	25	14	18	43	37	18	12	41
North Western	52	14	13	51	57	77	73	27	17	14	50	42	20	13	39
North Midland	41	16	11	35	43	62	56	23	15	14	47	34	14	7	32
Midland	56	24	19	42	65	83	66	25	27	22	42	32	16	15	40
Eastern	40	12	10	33	48	59	48	21	9	12	34	30	16	15	30
London and South Eastern ..	60	20	13	56	66	87	81	27	22	16	45	41	21	13	43
Southern	43	17	11	32	53	69	54	21	13	10	39	27	18	15	32
South Western	38	13	14	31	43	52	54	20	12	14	23	32	17	15	29
Wales	58	22	18	41	51	96	92	28	22	15	52	44	15	18	43
Wales I (South East)	55	21	18	40	46	96	85	28	22	14	56	42	13	16	41
Wales II (remainder)	65	23	19	44	64	97	107	30	21	16	44	49	20	23	47

* See footnote to Table LXXVII.

Table LXXXI. Tuberculosis of the respiratory system, ratio of deaths to 100 notifications*, by sex and age, in standard regions, 1962, England and Wales

	Deaths per 100 notifications							
	Males				Females			
	15–	25–	45–	65 and over	15–	25–	45–	65 and over
ENGLAND AND WALES ..	*0*	**5**	**21**	**67**	*0*	**6**	**23**	**53**
Standard regions:								
Northern	—	*6*	27	65	*2*	*6*	*14*	*44*
East and West Ridings ..	*1*	*3*	23	74	—	12	*17*	*47*
North Western	—	7	26	82	*0*	7	24	51
North Midland	—	*7*	21	69	1	*7*	31	*71*
Midland	*1*	*4*	21	79	—	*4*	31	52
Eastern	*2*	*3*	17	57	—	*6*	*18*	*40*
London and South Eastern ..	*1*	4	18	55	*0*	4	23	68
Southern	—	*3*	16	63	—	*9*	*20*	*32*
South Western	—	*7*	25	56	—	*4*	25	51
Wales	—	*7*	23	78	—	*10*	*34*	*48*
Wales I (South East) ..	—	*8*	25	93	—	*11*	*42*	*47*
Wales II (remainder) ..	—	*7*	*18*	50	—	*7*	*20*	*50*

* See footnote to Table LXXVII.

(89963)

Table LXXXII. Tuberculosis of the respiratory system, Standardised Mortality Ratios and standardised notification ratios*, by sex, in standard regions, conurbations, and urban and rural aggregates, 1962, England and Wales

	Males		Females	
	S.M.R.	S.N.R.	S.M.R.	S.N.R.
ENGLAND AND WALES	**100**	**100**	**100**	**100**
Regions and conurbations:				
Northern	**121**	**111**	**111**	**135**
Tyneside Conurbation	164	167	138	177
Remainder of Northern	106	91	101	120
East and West Ridings	**109**	**113**	**97**	**97**
West Yorkshire Conurbation	115	154	81	111
Remainder of East and West Ridings	104	86	110	87
North Western	**128**	**100**	**107**	**107**
South East Lancashire Conurbation	123	110	117	105
Merseyside Conurbation	186	142	139	153
Remainder of North Western	109	73	83	85
North Midland	**83**	**78**	**89**	**88**
Midland	**109**	**108**	**100**	**97**
West Midlands Conurbation	117	145	122	125
Remainder of Midland	101	73	79	70
Eastern	**63**	**77**	**73**	**81**
London and South Eastern	**95**	**114**	**107**	**106**
Greater London	103	128	117	115
Remainder of London and South Eastern	76	74	83	82
Southern	**69**	**85**	**79**	**83**
South Western	**74**	**73**	**92**	**81**
Wales	**144**	**112**	**132**	**111**
Wales I (South East)	156	106	134	108
Wales II (remainder)	116	125	128	119
Urban and rural aggregates:				
Conurbations	118	134	116	121
Areas outside conurbations:				
Urban areas with populations of 100,000 and over	130	115	125	109
Urban areas with populations of 50,000 and under 100,000	108	93	106	99
Urban areas with populations under 50,000	85	77	78	86
Rural districts	63	59	72	70

* See footnote to Table LXXVII.

Table LXXXIII. Non-respiratory tuberculosis, death rates per million living, by sex and age, 1938 to 1962, England and Wales

	Males					Females				
	All ages	0–	15–	25–	45 and over	All ages	0–	15–	25–	45 and over
1938–40	117	221	136	79	67	93	201	121	59	46
1941–45	131	236	195	98	62	96	213	141	59	45
1946	93	180	120	60	54	75	165	107	50	35
1947	87	179	96	53	52	73	153	109	48	35
1948	72	134	79	45	52	62	130	84	41	34
1949	62	107	69	41	46	47	92	60	34	29
1950	47	75	44	34	40	40	76	54	22	29
1951	44	70	38	33	37	37	69	44	21	30
1952	33	43	27	23	36	24	38	25	16	23
1953	24	29	17	18	30	21	30	18	12	23
1954	21	16	15	18	30	17	13	15	12	22
1955	17	11	12	14	26	13	14	*5·3*	8·5	18
1956	13	7·3	*4·4*	11	20	11	5·6	7·6	9·2	16
1957	12	7·2	*6·5*	11	19	12	8·6	*6·5*	8·0	17
1958	12	5·4	7·1	9·4	20	9·5	5·8	*3·2*	6·1	16
1959	8·7	6·0	*2·1*	6·3	15	8·1	4·5	*2·8*	5·4	13
1960	7·2	*2·4*	*2·4*	5·7	14	7·2	*2·5*	*2·7*	5·1	12
1961	7·4	*1·5*	*4·2*	6·3	14	7·0	3·9	*4·0*	*3·1*	12
1962	8·0	3·7	*4·6*	5·5	14	5·5	*2·3*	*3·2*	*3·1*	10

Table LXXXIV. Non-respiratory tuberculosis, notification rates* per million living, by sex and age, 1938 to 1962, England and Wales

	Males					Females				
	All ages	0–	15–	25–	45 and over	All ages	0–	15–	25–	45 and over
1938–40	290	744	341	151	72	264	641	403	172	61
1941–45	269	698	326	148	64	261	632	413	178	63
1946	217	569	250	123	53	210	518	334	149	47
1947	202	518	227	114	54	196	455	317	144	51
1948	197	505	243	99	53	199	473	333	138	46
1949	171	423	211	93	50	174	399	304	127	40
1950	151	350	186	93	48	164	343	288	139	39
1951	149	327	196	98	48	159	314	300	131	46
1952	135	275	196	91	50	146	272	242	135	54
1953	122	233	163	85	59	133	224	240	129	51
1954	109	192	149	93	48	133	199	245	140	56
1955	96	145	154	85	48	109	144	203	126	48
1956	87	121	131	83	49	98	113	188	118	49
1957	76	91	119	74	49	93	103	162	121	46
1958	70	75	106	82	44	83	77	142	111	50
1959	58	53	86	71	40	67	55	114	88	46
1960	56	47	67	82	36	69	48	113	103	43
1961	54	41	73	77	38	64	40	93	101	43
1962	53	38	59	81	38	62	36	86	96	45

* See footnote to Table LXXVII.

Table LXXXV. Mass miniature radiography, number of examinations made by mas

(The total numbers of examinations have bee

Category of person examined	Males											
	Under 14	14	15–	20–	25–	35–	45–	55–	60–	65 and over	Not stated	All ages
Out-patients and in-patients of hospitals	30	—	360	600	1,210	1,280	1,390	770	520	750	—	6,9
H.M. Forces intakes ..	—	—	460	130	50	10	—	—	—	—	—	6
School children (Mantoux test)	5,030	3,790	1,650	190	—	—	—	—	—	—	—	10,6
School children (School groups)	1,890	3,180	19,980	210	—	—	—	—	—	—	—	25,2
Contacts (Mantoux test) ..	660	330	290	110	150	780	420	30	30	20	—	2,8
Other contacts	1,710	1,170	3,880	2,030	3,860	3,280	2,300	790	530	500	—	20,0
Persons covered by special surveys	70	50	480	550	1,210	1,110	1,040	490	310	510	—	5,8
Persons in prisons, borstals, etc.	280	160	4,290	3,960	4,510	2,850	1,800	720	570	2,020	—	21,1
Persons in factories/offices (General surveys)	—	590	111,350	128,020	256,280	270,940	248,930	95,830	60,500	15,590	140	1,188,1
General public volunteers ..	2,620	2,160	39,170	39,900	92,150	94,210	86,550	35,430	25,790	36,970	80	455,0
Ante-natal cases	—	—	—	—	—	—	—	—	—	—	—	-
Psychiatric hospitals ..	220	50	1,510	1,840	3,920	5,610	6,370	2,890	2,340	4,210	40	29,0
Total	12,510	11,480	183,420	177,540	363,340	380,070	348,800	136,950	90,590	60,570	260	1,765,5
Persons referred by general practitioners	2,670	1,240	10,510	11,680	22,620	21,270	24,350	11,580	11,050	10,890	20	127,8
Total (all groups)	**15,180**	**12,720**	**193,930**	**158,220**	**385,960**	**401,340**	**373,150**	**148,530**	**101,640**	**71,460**	**280**	**1,893,4**

radiography units, by sex, age, and category of person examined, 1962, England and Wales

derived from a 10 per cent sample of record cards)

Females											Persons	Category of person examined
Under 14	14	15–	20–	25–	35–	45–	55–	60–	65 and over	Not stated	All ages	All ages	
60	50	420	660	1,340	1,490	1,570	780	540	850	—	7,760	14,670	Out-patients and in-patients of hospitals
-	—	—	—	—	—	10	—	—	—	—	10	660	H.M. Forces intakes
4,340	3,070	1,420	40	—	—	—	—	—	—	—	8,870	19,530	School children (Mantoux test)
1,920	2,890	15,760	210	—	—	—	—	—	—	—	20,780	46,040	School children (School groups)
910	480	650	80	280	1,000	570	50	10	30		4,060	6,880	Contacts (Mantoux test)
2,090	1,690	3,510	1,490	2,110	2,440	1,890	630	350	610	10	16,820	36,870	Other contacts
20	50	590	400	1,230	920	940	600	390	550	—	5,690	11,510	Persons covered by special surveys
130	80	250	210	290	310	290	170	240	1,300	—	3,270	24,430	Persons in prisons, borstals, etc.
—	250	146,760	106,970	101,000	111,220	93,620	28,330	9,670	4,450	80	602,350	1,790,520	Persons in factories/ offices (General surveys)
3,130	2,160	51,900	46,940	107,250	118,810	95,180	38,290	29,240	34,140	30	527,070	982,100	General public volunteers
—	—	2,610	7,160	8,960	2,040	10	—	—	—	—	20,780	20,780	Ante-natal cases
100	10	860	1,330	2,870	3,930	5,480	2,660	2,940	7,290	10	27,480	56,480	Psychiatric hospitals
12,700	10,730	224,730	165,490	225,330	242,160	199,560	71,510	43,380	49,220	130	1,244,940	3,010,470	Total
2,270	1,050	12,810	12,320	21,220	19,060	17,120	7,470	5,510	7,750	30	106,610	234,490	Persons referred by general practitioners
14,970	11,780	237,540	177,810	246,550	261,220	216,680	78,980	48,890	56,970	160	1,351,550	3,244,960	**Total (all groups)**

Table LXXXVI. Mass miniature radiography, (a) numbers of cases of respiratory tuberculos per 1,000 examinations, by sex, age, and catego

Category of person examined		Males											All
		Under 14	14	15–	20–	25–	35–	45–	55–	60–	65 and over	Not stated	
Out-patients and in-patients of hospitals	(a)	—	—	—	—	3	2	1	1	2	3	—	1
	(b)	0·0	—	0·0	0·0	2·5	1·6	0·7	1·3	3·8	4·0	—	1·
H.M. Forces intakes	(a)	—	—	—	1	—	—	—	—	—	—	—	
	(b)	—	—	0·0	7·7	0·0	0·0	—	—	—	—	—	1·
School children (Mantoux test)	(a)	8	3	2	—	—	—	—	—	—	—	—	1
	(b)	1·6	0·8	1·2	0·0	—	—	—	—	—	—	—	1·
School children (School groups)	(a)	2	4	4	—	—	—	—	—	—	—	—	1
	(b)	1·1	1·3	0·2	0·0	—	—	—	—	—	—	—	0·
Contacts (Mantoux test)	(a)	—	—	—	—	—	3	2	—	—	—	—	
	(b)	0·0	0·0	0·0	0·0	0·0	3·8	4·8	0·0	0·0	0·0	—	1·
Other contacts	(a)	7	1	5	10	16	9	10	5	4	4	—	7
	(b)	4·1	0·9	1·3	4·9	4·1	2·7	4·3	6·3	7·5	8·0	—	3·
Persons covered by special surveys	(a)	—	—	—	1	2	1	—	1	1	2	—	
	(b)	0·0	0·0	0·0	1·8	1·7	0·9	0·0	2·0	3·2	3·9	—	1·
Persons in prisons, borstals, etc.	(a)	1	—	2	4	7	18	15	7	11	8	—	7
	(b)	3·6	0·0	0·5	1·0	1·6	6·3	8·3	9·7	19·3	4·0	—	3·
Persons in factories/ offices (General surveys)	(a)	—	—	43	117	246	259	222	99	68	34	2	1,09
	(b)	—	0·0	0·4	0·9	1·0	1·0	0·9	1·0	1·1	2·2	14·3	0·
General public volunteers	(a)	1	2	20	47	94	107	129	59	34	60	2	55
	(b)	0·4	0·9	0·5	1·2	1·0	1·1	1·5	1·7	1·3	1·6	25·0	1·
Ante-natal cases	(a)	—	—	—	—	—	—	—	—	—	—	—	—
	(b)	—	—	—	—	—	—	—	—	—	—	—	—
Psychiatric hospitals	(a)	—	—	1	1	8	7	13	6	4	12	—	5
	(b)	0·0	0·0	0·7	0·5	2·0	1·2	2·0	2·1	1·7	2·9	0·0	1·8
Total	(a)	19	10	77	181	376	406	392	178	124	123	4	1,890
	(b)	1·5	0·9	0·4	1·0	1·0	1·1	1·1	1·3	1·4	2·0	15·4	1·1
Persons referred by general practitioners	(a)	2	—	38	83	198	179	197	107	93	96	1	994
	(b)	0·7	0·0	3·6	7·1	8·8	8·4	8·1	9·2	8·4	8·8	50·0	7·8
Total (all groups)	**(a)**	**21**	**10**	**115**	**264**	**574**	**585**	**589**	**285**	**217**	**219**	**5**	**2,884**
	(b)	**1·4**	**0·8**	**0·6**	**1·4**	**1·5**	**1·5**	**1·6**	**1·9**	**2·1**	**3·1**	**17·9**	**1·5**

Note:—The symbol α, where used to express a rate, indicates that whilst cases of tuberculosi

requiring treatment or close clinic supervision observed by mass radiography units, (b) rates of person examined, 1962, England and Wales

Females											Persons	Category of person examined
Under 14	14	15–	20–	25–	35–	45–	55–	60–	65 and over	Not stated	All ages	All ages	
—	—	1	—	2	—	—	1	—	2	—	6	18	(a) Out-patients and in-patients of hospitals
0·0	0·0	2·4	0·0	1·5	0·0	0·0	1·3	0·0	2·4	—	0·8	1·2	(b)
—	—	—	—	—	—	—	—	—	—	—	—	1	(a) H.M. Forces intakes
—	—	—	—	—	—	0·0	—	—	—	—	0·0	1·5	(b)
8	5	5	—	—	—	—	—	—	—	—	18	31	(a) School children (Mantoux test)
1·8	1·6	3·5	0·0	—	—	—	—	—	—	—	2·0	1·6	(b)
3	1	5	—	—	—	—	—	—	—	—	9	19	(a) School children (School groups)
1·6	0·3	0·3	0·0	—	—	—	—	—	—	—	0·4	0·4	(b)
1	1	—	—	1	2	1	—	—	—	—	6	11	(a) Contacts (Mantoux test)
1·1	2·1	0·0	0·0	3·6	2·0	1·8	0·0	0·0	0·0	—	1·5	1·6	(b)
10	1	3	5	5	3	2	—	1	—	—	30	101	(a) Other contacts
4·8	0·6	0·9	3·4	2·4	1·2	1·1	0·0	2·9	0·0	0·0	1·8	2·7	(b)
—	—	1	—	—	1	—	—	—	1	—	3	11	(a) Persons covered by special surveys
0·0	0·0	1·7	0·0	0·0	1·1	0·0	0·0	0·0	1·8	—	0·5	1·0	(b)
—	—	—	—	1	—	—	—	2	2	—	5	78	(a) Persons in prisons, borstals, etc.
0·0	0·0	0·0	0·0	3·4	0·0	0·0	0·0	8·3	1·5	—	1·5	3·2	(b)
—	—	69	89	68	70	40	9	2	1	—	348	1,438	(a) Persons in factories/offices (General surveys)
—	0·0	0·5	0·8	0·7	0·6	0·4	0·3	0·2	0·2	0·0	0·6	0·8	(b)
3	1	37	44	95	92	49	19	20	19	—	379	934	(a) General public volunteers
1·0	0·5	0·7	0·9	0·9	0·8	0·5	0·5	0·7	0·6	0·0	0·7	1·0	(b)
—	1	1	12	17	6	—	—	—	—	—	37	37	(a) Ante-natal cases
—	α	0·4	1·7	1·9	2·9	0·0	—	—	—	—	1·8	1·8	(b)
—	—	—	1	2	4	4	6	5	3	—	25	77	(a) Psychiatric hospitals
0·0	0·0	0·0	0·8	0·7	1·0	0·7	2·3	1·7	0·4	0·0	0·9	1·4	(b)
25	10	122	151	191	178	96	35	30	28	—	866	2,756	(a) Total
2·0	0·9	0·5	0·9	0·8	0·7	0·5	0·5	0·7	0·6	0·0	0·7	0·9	(b)
9	2	47	60	103	87	61	24	18	19	—	430	1,424	(a) Persons referred by general practitioners
4·0	1·9	3·7	4·9	4·9	4·6	3·6	3·2	3·3	2·5	0·0	4·0	6·1	(b)
34	12	169	211	294	265	157	59	48	47	—	1,296	4,180	(a) Total (all groups)
2·3	1·0	0·7	1·2	1·2	1·0	0·7	0·7	1·0	0·8	0·0	1·0	3·1	(b)

were observed, no examinees were included in the ten per cent sample.

Table LXXXVII. Mass miniature radiography, (a) numbers, (b) rates per 1,000 examinations, of non-tuberculous conditions diagnosed following examination, by sex and age, 1962, England and Wales

Category of person		Males												Females												Persons
		Under 14	14	15–	20–	25–	35–	45–	55–	60–	65 and over	Not stated	All ages	Under 14	14–	15–	20–	25–	35–	45–	55–	60–	65 and over	Not stated	All ages	All ages
Malignant neoplasms																										
All groups, *excluding* persons referred by general practitioners	(a)	—	—	1	1	2	41	233	205	210	266	—	959	—	—	1	1	2	11	43	25	25	34	—	142	1,101
	(b)	—	—	0·0	0·0	0·0	0·1	0·7	1·5	2·3	4·4	—	0·5	—	—	0·0	0·0	0·0	0·0	0·2	0·3	0·6	0·7	—	0·1	0·4
Persons referred by general practitioners	(a)	—	1	2	1	10	52	303	319	313	484	—	1,485	—	—	—	—	3	26	45	55	44	89	—	262	1,747
	(b)	—	0·8	0·2	0·1	0·4	2·4	12·4	27·5	28·3	44·4	—	11·6	—	—	—	—	0·1	1·4	2·6	7·4	8·0	11·5	—	2·5	7·5
Total (all groups)	(a)	—	**1**	**3**	**2**	**12**	**93**	**536**	**524**	**523**	**750**	—	**2,444**	—	—	**1**	**1**	**5**	**37**	**88**	**80**	**69**	**123**	—	**404**	**2,848**
	(b)	—	**0·1**	**0·0**	**0·0**	**0·0**	**0·2**	**1·4**	**3·5**	**5·1**	**10·5**	—	**1·3**	—	—	**0·0**	**0·0**	**0·0**	**0·1**	**0·4**	**1·0**	**1·4**	**2·2**	—	**0·3**	**0·9**
Non-malignant neoplasms																										
All groups, *excluding* persons referred by general practitioners	(a)	—	—	7	2	14	32	61	42	36	23	—	217	1	1	8	2	16	23	55	51	28	57	—	242	459
	(b)	—	—	0·0	0·0	0·0	0·1	0·2	0·3	0·4	0·4	—	0·1	0·1	0·1	0·0	0·0	0·1	0·1	0·3	0·7	0·6	1·2	—	0·2	0·2
Persons referred by general practitioners	(a)	—	1	1	1	8	8	11	5	3	16	—	54	—	—	1	2	2	5	11	9	6	18	—	54	108
	(b)	—	0·8	0·1	0·1	0·4	0·4	0·5	0·4	0·3	1·5	—	0·4	—	—	0·1	0·2	0·1	0·3	0·6	1·2	1·1	2·3	—	0·5	0·5
Total (all groups)	(a)	—	**1**	**8**	**3**	**22**	**40**	**72**	**47**	**39**	**39**	—	**271**	**1**	**1**	**9**	**4**	**18**	**28**	**66**	**60**	**34**	**75**	—	**296**	**567**
	(b)	—	**0·1**	**0·0**	**0·0**	**0·1**	**0·1**	**0·2**	**0·3**	**0·4**	**0·5**	—	**0·1**	**0·1**	**0·1**	**0·0**	**0·0**	**0·1**	**0·1**	**0·3**	**0·8**	**0·7**	**1·3**	—	**0·2**	**0·2**
Lymphadenopathies, excluding sarcoids																										
All groups, *excluding* persons referred by general practitioners	(a)	1	—	6	1	5	5	1	1	1	—	—	21	—	—	2	1	3	3	4	1	1	2	—	17	38
	(b)	0·1	—	0·0	0·0	0·0	0·0	0·0	0·0	0·0	—	—	0·0	—	—	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	—	0·0	0·0
Persons referred by general practitioners	(a)	—	—	1	1	6	1	4	2	—	—	—	15	2	—	1	—	1	1	3	3	—	1	—	12	27
	(b)	—	—	0·1	0·1	0·3	0·0	0·2	0·2	—	—	—	0·1	0·9	—	0·1	—	0·0	0·1	0·2	0·4	—	0·1	—	0·1	0·1
Total (all groups)	(a)	**1**	—	**7**	**2**	**11**	**6**	**5**	**3**	**1**	—	—	**36**	**2**	—	**3**	**1**	**4**	**4**	**7**	**4**	**1**	**3**	—	**29**	**65**
	(b)	**0·1**	—	**0·0**	**0·0**	**0·0**	**0·0**	**0·0**	**0·0**	**0·0**	—	—	**0·0**	**0·1**	—	**0·0**	**0·0**	**0·0**	**0·0**	**0·0**	**0·1**	**0·0**	**0·1**	—	**0·0**	**0·0**
Sarcoids, including enlarged hilar glands																										
All groups, *excluding* persons referred by general practitioners	(a)	—	—	14	54	117	53	18	9	8	7	—	280	1	—	12	54	74	55	36	14	3	6	—	255	535
	(b)	—	—	0·1	0·3	0·3	0·1	0·1	0·1	0·1	0·1	—	0·2	0·1	—	0·1	0·3	0·3	0·2	0·2	0·2	0·1	0·1	—	0·2	0·2
Persons referred by general practitioners	(a)	3	—	5	9	28	20	15	2	—	5	—	87	1	—	2	14	43	15	11	5	5	6	—	102	189
	(b)	1·1	—	0·5	0·8	1·2	0·9	0·6	0·2	—	0·5	—	0·7	0·4	—	0·2	1·1	2·0	0·8	0·6	0·7	0·9	0·8	—	1·0	0·8
Total (all groups)	(a)	**3**	—	**19**	**63**	**145**	**73**	**33**	**11**	**8**	**12**	—	**367**	**2**	—	**14**	**68**	**117**	**70**	**47**	**19**	**8**	**12**	—	**357**	**724**
	(b)	**0·2**	—	**0·1**	**0·3**	**0·4**	**0·2**	**0·1**	**0·1**	**0·1**	**0·2**	—	**0·2**	**0·1**	—	**0·1**	**0·4**	**0·5**	**0·3**	**0·2**	**0·2**	**0·2**	**0·2**	—	**0·3**	**0·2**

Congenial cardiac abnormalities and abnormalities of the vascular system

All groups, *excluding* persons referred by general practitioners	(a)	4	2	31	20	37	41	27	6	11	4	—	183	9	7	64	33	31	34	33	7	6	3	—	227	410
	(b)	0·3	0·2	0·2	0·1	0·1	0·1	0·1	0·0	0·1	0·1	—	0·1	0·7	0·7	0·3	0·2	0·1	0·1	0·2	0·1	0·1	0·1	—	0·2	0·1
Persons referred by general practitioners	(a)	2	2	2	3	5	8	2	3	4	2	—	33	2	—	7	4	6	10	6	3	1	2	—	41	74
	(b)	0·7	1·6	0·2	0·3	0·2	0·4	0·1	0·3	0·4	0·2	—	0·3	0·9	—	0·5	0·3	0·3	0·5	0·4	0·4	0·2	0·3	—	0·4	0·3
Total (all groups)	**(a)**	**6**	**4**	**33**	**23**	**42**	**49**	**29**	**9**	**15**	**6**	—	**216**	**11**	**7**	**71**	**37**	**37**	**44**	**39**	**10**	**7**	**5**	—	**268**	**484**
	(b)	**0·4**	**0·3**	**0·2**	**0·1**	**0·1**	**0·1**	**0·1**	**0·1**	**0·1**	**0·1**	—	**0·1**	**0·7**	**0·6**	**0·3**	**0·2**	**0·2**	**0·2**	**0·2**	**0·1**	**0·1**	**0·1**	—	**0·2**	**0·1**

Acquired cardiac abnormalities and abnormalities of the vascular system

All groups, *excluding* persons referred by general practitioners	(a)	7	5	52	50	134	240	522	472	492	754	3	2,731	20	3	119	94	154	295	660	505	540	944	—	3,334	6,065
	(b)	0·6	0·4	0·3	0·3	0·4	0·6	1·5	3·4	5·4	12·4	11·5	1·5	1·6	0·3	0·5	0·6	0·7	1·2	3·3	7·1	12·4	19·2	—	2·7	2·0
Persons referred by general practitioners	(a)	3	2	9	16	35	86	230	205	247	521	—	1,354	7	1	14	24	48	99	177	162	200	509	1	1,242	2,596
	(b)	1·1	1·6	0·9	1·4	1·5	4·0	9·4	17·7	22·4	47·8	—	10·6	3·1	1·0	1·1	1·9	2·3	5·2	10·3	21·7	36·3	65·7	33·3	11·6	11·1
Total (all groups)	**(a)**	**10**	**7**	**61**	**66**	**169**	**326**	**752**	**677**	**739**	**1275**	**3**	**4,085**	**27**	**4**	**133**	**118**	**202**	**394**	**837**	**667**	**740**	**1,453**	**1**	**4,576**	**8,661**
	(b)	**0·7**	**0·6**	**0·3**	**0·3**	**0·4**	**0·8**	**2·0**	**4·6**	**7·3**	**17·8**	**10·7**	**2·2**	**1·8**	**0·3**	**0·6**	**0·7**	**0·8**	**1·5**	**3·9**	**8·4**	**15·1**	**25·5**	**6·2**	**3·4**	**2·7**

Pneumoconiosis without progressive massive fibrosis

All groups, *excluding* persons referred by general practitioners	(a)	2	—	1	2	28	219	496	306	295	191	1	1,541	—	—	—	—	2	9	23	8	4	2	—	48	1,589
	(b)	0·2	—	0·0	0·0	0·1	0·6	1·4	2·2	3·3	3·2	3·8	0·9	—	—	—	—	0·0	0·0	0·1	0·1	0·1	0·0	—	0·0	0·5
Persons referred by general practitioners	(a)	—	—	—	—	10	58	132	105	83	54	—	442	—	—	—	—	1	6	16	11	6	7	—	47	489
	(b)	—	—	—	—	0·4	2·7	5·4	9·1	7·5	5·0	—	3·5	—	—	—	—	0·0	0·3	0·9	1·5	1·1	0·9	—	0·4	2·1
Total (all groups)	**(a)**	**2**	—	**1**	**2**	**38**	**277**	**628**	**411**	**378**	**245**	**1**	**1,983**	—	—	—	—	**3**	**15**	**39**	**19**	**10**	**9**	—	**95**	**2,078**
	(b)	**0·1**	—	**0·0**	**0·0**	**0·1**	**0·7**	**1·7**	**2·8**	**3·7**	**3·4**	**3·6**	**1·0**	—	—	—	—	**0·0**	**0·1**	**0·2**	**0·2**	**0·2**	**0·2**	—	**0·1**	**0·6**

Pneumoconiosis with progressive massive fibrosis

All groups, *excluding* persons referred by general practitioners	(a)	—	—	—	—	2	2	44	37	29	38	—	152	—	—	—	—	—	—	2	2	2	—	—	6	158
	(b)	—	—	—	—	0·0	0·0	0·1	0·3	0·3	0·6	—	0·1	—	—	—	—	—	—	0·0	0·0	0·0	—	—	0·0	0·1
Persons referred by general practitioners	(a)	—	—	—	1	—	3	9	5	7	10	—	35	—	—	—	—	—	—	2	1	1	2	—	6	41
	(b)	—	—	—	0·1	—	0·1	0·4	0·4	0·6	0·9	—	0·3	—	—	—	—	—	—	0·1	0·1	0·2	0·3	—	0·1	0·2
Total (all groups)	**(a)**	—	—	—	**1**	**2**	**5**	**53**	**42**	**36**	**48**	—	**187**	—	—	—	—	—	—	**4**	**3**	**3**	**2**	—	**12**	**199**
	(b)	—	—	—	**0·0**	**0·0**	**0·0**	**0·1**	**0·3**	**0·4**	**0·7**	—	**0·1**	—	—	—	—	—	—	**0·0**	**0·0**	**0·1**	**0·0**	—	**0·0**	**0·1**

Table LXXXVIII. Deaths from cancer by sex and age according to histological type and death rates per million living, 1962, England and Wales

	All ages	0–	15–	35–	45–	55–	65 and over
	Number of deaths						
All malignant neoplasms (140–205) M	**54,735**	**405**	**875**	**1,584**	**6,195**	**15,739**	**29,937**
All malignant neoplasms (140–205) F	**46,873**	**355**	**745**	**2,291**	**6,049**	**10,511**	**26,922**
Carcinoma .. M	47,947	33	285	1,075	5,162	14,002	27,390
Carcinoma .. F	41,184	26	347	1,855	5,258	9,311	24,387
Glioma .. M	940	52	76	126	244	324	118
Glioma .. F	656	56	72	78	136	201	113
Sarcoma .. M	1,003	96	141	94	152	205	315
Sarcoma .. F	1,131	93	99	103	169	215	452
Reticuloses .. M	2,994	215	351	245	422	662	1,099
Reticuloses .. F	2,583	173	214	191	315	495	1,195
Undefined .. M	1,851	9	22	44	215	546	1,015
Undefined .. F	1,319	7	13	64	171	289	775
	Death rates per million persons living						
All malignant neoplasms (140–205) ..	**2,177**	**72**	**132**	**611**	**1,922**	**4,761**	**10,150**
Carcinoma ..	1,910	6	51	462	1,635	4,229	9,243
Glioma	34	10	12	32	60	95	41
Sarcoma	46	18	20	31	50	76	137
Reticuloses ..	120	37	46	69	116	210	409
Undefined	68	2	3	17	61	151	320

Table LXXXIX. Cancer (ICD Nos. 140–205), sex and age specific death rates per million living from cancer at various sites and the percentage of mortality at each site to " all sites ", 1962, England and Wales

Males

ICD No.	Site or organ	All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	Per cent of all sites
140 141 142 143 144	Lip Tongue Salivary gland Floor of mouth Other parts of mouth and mouth unspecified	28	*1*	—	—	*0*	*5*	13	40	138	342	804	1·2
145 146 147 148	Oral mesopharynx Nasopharynx Hypopharynx Pharynx unspecified	18	*1*	*1*	*2*	*2*	*6*	12	30	94	195	*174*	0·8
150	Oesophagus	61	—	—	*1*	*2*	7	43	131	308	588	1,000	2·5
151	Stomach	341	—	—	*1*	9	57	261	853	1,754	2,830	2,728	14·1
152 153	Small intestine, including duodenum Large intestine, except rectum	168	*1*	*0*	*2*	8	29	105	347	811	1,780	2,424	7·0
154	Rectum	130	—	—	*1*	*5*	21	72	268	651	1,396	1,837	5·4
155	Biliary passages and liver (stated to be primary site)	27	*3*	*0*	*1*	*3*	*4*	23	67	117	250	250	1·1
157	Pancreas	93	—	—	—	*2*	14	80	218	488	765	804	3·8
161	Larynx	28	—	—	—	*1*	*3*	18	71	148	222	304	1·1
162 163	Bronchus and trachea, and of lung specified as primary Lung, unspecified as to whether primary or secondary	895	*1*	—	*3*	24	160	896	2,947	4,697	3,841	1,891	37·0
170	Breast	3	—	—	—	*0*	*1*	*3*	9	*11*	37	*54*	0·1
177	Prostate	169	—	*0*	—	—	*2*	19	160	837	2,885	4,283	7·0
178	Testis	9	*2*	*1*	9	18	10	10	11	*12*	*18*	*11*	0·4
179	Other and unspecified male genital organs	6	—	—	*0*	—	*1*	*4*	11	23	72	*87*	0·2
180	Kidney	37	11	*5*	*2*	*1*	10	43	106	159	175	*196*	1·5
181	Bladder and other urinary organs	103	*1*	*0*	*0*	*1*	11	47	202	577	1,078	1,543	4·3

Table LXXXIX—*continued*

Males

ICD No.	Site or organ	All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	Per cent of all sites
190 191	Skin (malignant melanoma) Skin (malignant neoplasm)	18	—	—	*2*	*6*	7	16	27	69	172	522	0·8
193	Malignant neoplasm of brain and other parts of nervous system	50	16	15	14	15	48	90	147	94	*30*	*11*	2·1
194	Thyroid gland	5	—	—	*0*	*0*	*1*	7	11	24	*30*	*54*	0·2
195	Other endocrine glands	3	*5*	*1*	*2*	*1*	*1*	*4*	*4*	*8*	—	—	0·1
196 197	Bone (including jaw bone) Connective tissue	20	*2*	*4*	16	*6*	10	17	43	67	105	*207*	0·8
158 164 198	Peritoneum Mediastinum Secondary and unspecified malignant neoplasm of lymph nodes	8	*1*	*1*	*1*	*1*	*4*	8	18	36	47	*109*	0·3
200	Lymphosarcoma and reticulosarcoma	27	*5*	*5*	10	8	17	27	60	115	102	*109*	1·1
201	Hodgkin's disease	24	*1*	*1*	13	31	25	33	41	55	67	*11*	1·0
202	Other forms of lymphoma (reticulosis)	4	*3*	*1*	*0*	*2*	*1*	7	10	*8*	*18*	*11*	0·2
203	Multiple myeloma (plasmocytoma)	15	—	—	—	*1*	*5*	16	40	74	78	*87*	0·6
204	Leukaemia and aleukaemia	61	42	27	26	22	29	51	105	209	369	228	2·5
205	Mycosis fungoides	*1*	—	—	—	—	*0*	*0*	*1*	*4*	*2*	—	0·0
Others in 140–205	Remaining sites	61	*3*	*1*	*2*	*5*	15	53	150	301	459	511	2·5
140–205	**Total**	**2,416**	**94**	**64**	**109**	**175**	**502**	**1,978**	**6,129**	**11,887**	**17,953**	**20,250**	**100**
193 223 237	Malignant neoplasm of brain and other parts of nervous system Benign neoplasm of brain and other parts of nervous system Neoplasm of unspecified nature of brain and other parts of nervous system	65	24	18	16	23	57	117	183	135	40	*22*	

Table XC. Cancer (ICD Nos. 140–205), sex and age specific death rates per million living from cancer at various sites and the percentage of mortality at each site to " all sites ", 1962, England and Wales

Females

ICD No.	Site or organ	All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	Per cent of all sites
140 141 142 143 144	Lip Tongue Salivary gland Floor of mouth Other parts of mouth and mouth unspecified	12	—	—	*0*	*0*	*3*	7	17	39	77	208	0·6
145 146 147 148	Oral mesopharynx Nasopharynx Hypopharynx Pharynx unspecified	14	—	*1*	—	*2*	*5*	14	29	48	56	*71*	0·7
150	Oesophagus	44	—	—	—	*1*	7	24	66	144	310	486	2·2
151	Stomach	245	—	—	*1*	10	38	116	333	851	1,805	2,590	12·5
152 153	Small intestine, including duodenum Large intestine, except rectum	232	—	*1*	*1*	8	41	138	348	745	1,631	2,604	11·9
154	Rectum	102	—	—	*1*	*3*	22	69	151	334	664	1,137	5·2
155	Biliary passages and liver (stated to be primary site)	39	*2*	*0*	*0*	*1*	7	15	66	153	250	269	2·0
157	Pancreas	84	—	—	—	*3*	10	42	141	316	522	825	4·3
161	Larynx	6	—	—	—	*1*	*2*	7	14	19	32	24	0·3
162 163	Bronchus and trachea, and of lung specified as primary Lung, unspecified as to whether primary or secondary	146	*1*	—	*1*	9	50	162	350	482	576	420	7·5
170	Breast	389	—	—	*1*	37	205	569	824	1,044	1,445	2,302	19·9
171	Cervix uteri	105	—	—	*0*	10	106	174	199	261	321	396	5·4
172	Corpus uteri	52	—	—	—	*1*	11	39	126	203	208	278	2·7
173 174	Other parts of uterus, including chorionepithelioma Uterus, unspecified	10	—	—	*0*	*3*	*4*	13	20	32	40	*57*	0·5
175	Ovary, Fallopian tube and broad ligament	127	*1*	*1*	*4*	13	60	190	326	370	350	283	6·5
176	Other and unspecified female genital organs	22	—	—	—	*1*	*3*	12	22	82	145	321	1·1

Table XC—*continued*

Females

ICD No.	Site or organ	All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	Per cent of all sites
180	Kidney	21	*10*	*4*	*1*	*2*	8	18	38	66	92	104	1·1
181	Bladder and other urinary organs	40	*1*	*0*	—	*0*	*4*	20	54	136	307	448	2·1
190 191	Skin (malignant melanoma) Skin (malignant neoplasm)	19	*1*	*0*	*2*	8	15	16	22	46	104	222	1·0
193	Malignant neoplasm of brain and other parts of nervous system	33	21	12	10	19	29	49	78	59	*12*	*14*	1·7
194	Thyroid gland	11	—	—	*0*	*2*	*2*	*4*	21	45	70	*57*	0·6
195	Other endocrine glands	2	*4*	*0*	*0*	*1*	*1*	*2*	*3*	*1*	*4*	—	0·1
196 197	Bone (including jaw bone) Connective tissue	17	*5*	7	10	*4*	*6*	15	21	44	78	94	0·9
158 164 198	Peritoneum Mediastinum Secondary and unspecified malignant neoplasm of lymph nodes	10	—	*0*	*1*	*1*	*4*	8	21	32	33	*90*	0·5
200	Lymphosarcoma and reticulosarcoma	20	*3*	*4*	*3*	*6*	10	18	33	63	80	94	1·0
201	Hodgkin's disease	15	—	*1*	9	16	13	14	22	37	39	*14*	0·8
202	Other forms of lymphoma (reticulosis)	3	*3*	—	—	—	*1*	*3*	*6*	11	*14*	*19*	0·2
203	Multiple myeloma (plasmocytoma)	15	*1*	—	—	*0*	*3*	14	32	59	67	*19*	0·8
204	Leukaemia and aleukaemia	55	37	24	18	19	33	48	74	146	196	226	2·8
205	Mycosis fungoides	*0*	—	—	—	—	*0*	*0*	*1*	*0*	—	*5*	0·0
Others in 140–205	Remaining sites	63	*3*	*2*	*1*	*3*	16	47	111	222	340	486	3·2
140–205	**Total**	**1,952**	**91**	**57**	**67**	**185**	**720**	**1,867**	**3,569**	**6,091**	**9,864**	**14,160**	**100**
193 223 237	Malignant neoplasm of brain and other parts of nervous system Benign neoplasm of brain and other parts of nervous system Neoplasm of unspecified nature of brain and other parts of nervous system	46	26	15	13	27	41	70	113	84	20	*24*	

Table XCI. Cancer, Standardised Mortality Ratios by sex for selected sites, in standard regions, conurbations, and urban and rural aggregates outside the conurbations, 1962, England and Wales

	All sites (140–205)		Buccal cavity and pharynx (140–148)		Oesophagus (150)		Stomach (151)		Intestine and rectum (152–154)		Larynx (161)		Trachea, bronchus and lung (162, 163)	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ENGLAND AND WALES	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Regions:														
Northern	103	104	106	105	90	120	119	129	107	114	86	136	99	96
East and West Ridings	101	100	110	108	91	87	104	111	103	104	95	134	99	97
North Western	106	104	115	107	121	129	119	115	106	111	106	156	105	100
North Midland	91	96	84	80	94	81	92	92	96	101	84	97	90	82
Midland	98	98	114	93	104	82	96	103	105	98	122	70	96	88
Eastern	91	91	83	90	82	80	85	83	100	89	75	40	88	90
London and South Eastern	109	103	93	97	102	87	91	88	97	98	101	101	120	128
Southern	92	92	90	74	91	97	79	77	90	89	123	31	93	97
South Western	92	97	103	121	97	111	93	90	97	92	98	73	81	81
Wales	96	107	107	134	109	161	135	149	100	104	109	122	79	68
Conurbations:														
Tyneside	118	107	99	107	70	125	127	131	129	111	110	276	128	120
West Yorkshire	106	100	119	111	76	90	108	116	105	96	83	168	107	103
South East Lancashire	109	105	121	113	116	129	121	114	107	111	116	161	114	99
Merseyside	124	112	136	59	152	145	127	116	122	135	154	169	136	131
West Midlands	105	100	111	96	101	70	102	108	111	100	117	115	112	97
Greater London	113	106	97	90	106	92	96	95	96	100	99	108	127	137
Urban and rural aggregates:														
Conurbations	111	105	107	95	105	99	106	105	104	104	107	135	122	122
Areas outside conurbations:														
Urban areas with populations of 100,000 and over	107	101	102	89	88	96	106	108	104	103	125	78	111	94
Urban areas with populations of 50,000 and under 100,000	96	92	100	107	100	90	92	89	95	90	111	66	97	100
Urban areas with populations under 50,000	95	101	99	115	92	104	101	104	104	102	98	90	85	88
Rural districts	85	92	89	97	107	104	90	88	90	93	72	77	73	78

Table XCI—*continued*

	Breast (170)		Cervix uteri (171)	Other parts of uterus (172-174)	Prostate (177)	Bladder (181·0, ·8)		Bone (including jaw bone) (196)		Lymphosarcoma, reticulosarcoma (200)		Hodgkin's disease (201)		Leukaemia and aleukaemia (204)	
	M	F	F	F	M	M	F	M	F	M	F	M	F	M	F
ENGLAND AND WALES	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Regions:															
Northern	19	84	116	94	100	92	88	138	102	87	83	115	87	99	95
East and West Ridings	157	96	104	89	88	105	90	94	110	107	92	92	121	105	118
North Western	120	97	117	105	99	103	110	124	134	84	65	102	123	94	89
North Midland	111	96	110	106	99	90	102	89	82	65	85	93	79	84	83
Midland	118	100	103	101	90	100	106	115	85	83	99	104	70	79	93
Eastern	59	95	88	87	97	92	80	91	75	95	90	85	77	81	91
London and South Eastern	105	110	82	101	106	111	116	98	97	130	123	108	104	118	114
Southern	80	91	91	102	107	100	96	62	84	75	140	88	64	105	97
South Western	63	102	104	103	114	98	86	64	82	127	124	90	122	111	100
Wales	127	104	120	108	94	82	71	110	142	94	71	109	131	101	93
Conurbations:															
Tyneside	73	79	127	80	103	92	87	122	68	128	139	141	16	72	89
West Yorkshire	245	97	113	83	96	115	92	104	132	103	88	94	119	97	121
South East Lancashire	103	102	133	98	91	109	92	125	134	80	56	103	187	100	103
Merseyside	204	99	110	96	101	129	134	152	109	111	84	101	110	83	75
West Midlands	84	104	86	103	89	112	122	138	66	69	92	83	77	72	82
Greater London	98	112	83	103	103	115	123	93	93	127	125	101	96	113	114
Urban and rural aggregates:															
Conurbations	119	105	98	99	99	114	114	111	100	109	104	100	107	100	105
Areas outside conurbations:															
Urban areas with populations of 100,000 and over	97	96	115	111	101	98	107	134	86	92	93	80	87	100	86
Urban areas with populations of 50,000 and under 100,000	81	94	94	93	99	99	97	74	75	97	91	113	77	96	85
Urban areas with populations under 50,000	70	101	106	101	102	100	99	102	123	103	113	93	116	98	104
Rural districts	110	95	90	98	100	81	72	72	98	89	87	114	91	104	104

Table XCII. Cancer, death rates per million living, by sex and age, and Standardised Mortality Ratios (all ages) by sex, for selected sites, 1953 to 1962, England and Wales

All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 = 100)		All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 = 100)
MALES													FEMALES											
All sites (140–205)																								
2,166	102	68	104	182	575	2,077	5,616	10,604	16,419	17,279	102	1953	1,833	105	55	59	202	702	1,818	3,574	6,250	10,536	13,197	98
2,223	106	64	105	173	587	2,087	5,720	10,914	16,590	17,730	103	1954	1,861	80	52	72	197	711	1,871	3,556	6,305	10,350	13,509	98
2,252	105	68	99	189	548	2,061	5,803	11,008	17,026	17,308	104	1955	1,873	102	50	63	202	681	1,860	3,550	6,306	10,272	13,551	98
2,274	109	75	101	178	561	2,019	5,885	11,102	16,962	18,038	105	1956	1,891	100	61	71	201	697	1,809	3,559	6,250	10,350	13,682	97
2,312	100	64	109	185	534	2,035	5,950	11,231	17,111	17,849	106	1957	1,890	83	47	57	178	693	1,813	3,559	6,113	10,284	13,277	96
2,333	116	80	90	184	520	2,047	5,869	11,504	17,230	17,761	106	1958	1,929	87	52	72	191	701	1,865	3,521	6,240	10,294	13,862	97
2,366	100	67	98	185	550	2,020	5,983	11,624	17,457	17,889	107	1959	1,929	90	63	69	199	697	1,841	3,487	6,113	10,336	14,016	97
2,391	96	80	99	194	531	2,008	6,038	11,663	17,478	18,543	108	1960	1,943	95	59	62	191	689	1,879	3,445	6,203	10,174	13,901	97
2,392	117	67	100	195	524	2,008	5,996	11,711	17,487	19,902	108	1961	1,951	80	61	63	179	667	1,908	3,553	6,144	9,912	14,429	96
2,416	94	64	109	175	502	1,978	6,129	11,887	17,953	20,250	109	1962	1,952	91	57	67	185	720	1,867	3,569	6,091	9,864	14,160	96
Kidney (180)																								
31	*5*	*3*	*1*	*3*	11	40	89	133	159	*147*	106	1953	19	*10*	*3*	*1*	*2*	*6*	15	42	70	95	*79*	103
32	13	*1*	*1*	*2*	*6*	40	104	144	138	*41*	108	1954	20	*9*	*4*	*0*	*2*	*6*	15	33	75	106	130	104
33	12	*3*	*0*	*4*	10	43	91	141	164	*141*	112	1955	18	13	*4*	*1*	*2*	*5*	13	40	61	90	*48*	95
33	12	*4*	*1*	*3*	12	36	92	137	180	*125*	110	1956	20	14	*4*	*1*	*3*	*5*	14	38	72	91	121	103
33	11	*2*	*1*	*2*	8	41	96	141	156	*81*	109	1957	19	*5*	*3*	*0*	*3*	*3*	10	42	67	97	*92*	95
35	14	*2*	*2*	*2*	11	40	89	161	194	*148*	117	1958	22	15	*3*	*2*	*1*	*6*	19	35	68	112	154	100
32	*5*	*1*	*1*	*3*	11	39	93	131	192	*44*	107	1959	20	*9*	*3*	*0*	*1*	8	15	30	76	91	109	98
32	*10*	*2*	—	*4*	8	37	88	146	169	*64*	106	1960	22	*10*	*4*	*2*	*1*	8	17	37	72	113	108	109
34	11	*1*	*1*	*5*	12	35	95	126	214	*141*	111	1961	22	*8*	*3*	*1*	*1*	8	14	48	65	103	122	107
37	11	*5*	*2*	*1*	10	43	106	159	175	*196*	123	1962	21	*10*	*4*	*1*	*2*	8	18	38	66	92	104	103
Brain and other parts of nervous system (193)																								
38	16	13	12	17	39	74	104	57	*20*	*29*	107	1953	26	18	14	7	17	25	45	56	30	*11*	*7*	114
39	13	11	10	16	40	76	118	56	*25*	—	109	1954	27	17	13	9	18	24	47	62	36	*11*	*12*	120
42	24	16	9	19	35	83	118	65	23	*13*	117	1955	27	19	11	9	14	26	44	61	40	*10*	—	117
41	22	17	11	17	39	74	111	75	*19*	—	114	1956	28	18	10	8	15	29	47	67	42	*20*	—	125
41	15	10	13	19	39	77	118	68	*19*	*12*	114	1957	29	*9*	10	8	11	27	50	76	44	14	*11*	126
50	28	21	12	20	41	90	139	82	22	*23*	136	1958	34	14	14	11	14	29	55	90	56	14	—	149
48	24	15	12	20	42	99	119	82	*19*	—	131	1959	35	23	15	11	18	33	55	78	58	19	*16*	153
50	19	20	9	18	45	95	137	86	*29*	*11*	136	1960	33	23	12	7	14	30	56	84	50	*18*	*15*	146
51	28	18	14	23	39	93	140	91	*18*	—	139	1961	36	18	15	13	16	29	56	91	53	24	*15*	156
50	16	15	14	15	48	90	147	94	*30*	*11*	138	1962	33	21	12	10	19	29	49	78	59	*12*	*14*	143

Table XCII—*continued*

All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 = 100)		All ages	0–	5–	15–	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 = 100)
MALES													**FEMALES**											
Bone (including jaw bone) (196)																								
19	—	*5*	13	*5*	8	14	45	70	109	*132*	**90**	1953	13	*2*	*5*	7	*4*	*4*	8	23	39	77	*33*	**91**
17	*1*	*4*	11	*4*	*6*	13	29	75	112	*122*	**81**	1954	14	*2*	*5*	7	*2*	*4*	8	25	52	55	*87*	**95**
16	*1*	*6*	9	*4*	*6*	9	32	67	122	*115*	**78**	1955	12	*2*	*4*	*4*	*4*	*4*	8	20	36	51	*90*	**79**
18	*1*	7	14	*6*	9	15	32	66	98	*100*	**86**	1956	13	*3*	*5*	9	*4*	*6*	8	19	38	68	*58*	**89**
16	*1*	*3*	12	*5*	*6*	12	34	54	114	*163*	**77**	1957	12	*2*	*4*	*6*	*2*	*3*	9	17	39	68	*87*	**83**
16	*3*	*5*	11	*6*	*4*	13	32	62	102	*136*	**77**	1958	13	*3*	6	10	*5*	*5*	7	15	36	57	*101*	**86**
15	—	*4*	12	*4*	*5*	12	28	61	92	*111*	**71**	1959	11	*1*	6	9	*3*	*3*	7	14	26	62	*83*	**75**
15	—	*4*	11	7	6	11	28	55	92	*117*	**72**	1960	11	*1*	*5*	7	*4*	*3*	8	16	30	47	*60*	**71**
16	*1*	*4*	10	*5*	*4*	14	27	67	95	*141*	**73**	1961	11	*1*	7	*6*	*1*	*3*	9	14	32	52	*59*	**72**
14	—	*4*	13	5	*6*	11	28	45	77	*141*	**67**	1962	11	*4*	6	8	*1*	*4*	7	13	29	51	*47*	**70**
Leukaemia and aleukaemia (204)																								
53	54	30	24	16	36	47	108	148	207	*118*	**108**	1953	44	48	23	13	15	32	39	69	130	113	*59*	**109**
54	52	28	24	21	36	48	97	180	184	*162*	**110**	1954	44	36	21	20	15	27	38	74	125	132	*112*	**110**
57	38	26	25	21	34	55	106	206	244	*90*	**117**	1955	43	51	23	16	18	26	42	62	110	131	120	**107**
57	47	29	29	23	33	49	95	179	285	250	**116**	1956	47	41	29	19	22	21	36	77	125	151	*92*	**115**
60	46	28	27	24	31	47	110	194	318	267	**122**	1957	47	41	21	12	18	31	43	70	117	172	120	**115**
60	46	35	22	24	33	48	114	193	262	*205*	**121**	1958	46	37	20	11	16	25	41	66	124	191	160	**113**
60	49	34	24	21	40	41	105	191	314	*200*	**121**	1959	52	39	30	19	20	28	46	77	128	183	145	**125**
67	45	36	25	22	44	55	104	229	349	340	**134**	1960	51	41	24	16	18	21	41	81	138	190	202	**124**
63	56	30	27	23	31	51	111	210	305	272	**126**	1961	52	34	24	16	17	26	46	78	134	194	215	**125**
61	42	27	26	21	29	51	105	209	369	228	**123**	1962	55	37	24	18	19	33	48	74	146	196	226	**131**

All ages	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 =100)		All ages	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 =100)
MALES																		
Lip, tongue, rest of mouth (140–144)																		
42	*2*	*4*	13	67	217	620	691	**87**	1953	12	*1*	*3*	7	22	43	100	138	**86**
44	*2*	*3*	18	65	222	613	878	**90**	1954	13	*1*	*4*	9	17	48	100	161	**91**
42	*1*	*4*	11	68	210	605	718	**85**	1955	14	*0*	*3*	12	21	35	123	174	**94**
37	*1*	*1*	12	50	190	541	788	**75**	1956	15	*1*	*4*	10	25	50	94	185	**97**
35	*1*	*3*	9	54	178	468	698	**69**	1957	14	*1*	*3*	7	21	42	105	185	**91**
37	*2*	*2*	16	52	168	517	784	**73**	1958	14	*1*	*1*	8	19	45	111	191	**91**
35	*1*	*5*	14	43	176	486	656	**69**	1959	13	*1*	*1*	10	21	38	102	130	**85**
32	*2*	*2*	18	48	146	403	660	**63**	1960	14	*1*	*3*	8	19	40	104	202	**89**
30	*1*	6	17	47	118	392	750	**60**	1961	13	*1*	*3*	9	19	46	71	195	**83**
28	*0*	*5*	13	40	138	342	804	**57**	1962	12	*0*	*3*	7	17	39	77	208	**78**

Pharynx (145–148)

24	*1*	*6*	17	42	140	232	338	95	1953	12	*1*	*6*	18	28	39	51	*66*	89
27	*1*	*6*	15	59	141	277	338	106	1954	15	*2*	8	21	30	49	55	*62*	104
25	*2*	*5*	11	59	124	254	308	97	1955	14	*3*	*6*	20	30	43	57	*84*	100
20	*1*	*5*	10	47	109	192	262	79	1956	14	*2*	*6*	16	31	46	47	*87*	95
24	*1*	*4*	15	41	135	211	337	90	1957	15	*1*	*6*	15	33	54	61	*71*	103
22	*1*	*5*	13	49	96	240	*205*	83	1958	14	*3*	7	20	33	36	51	*53*	96
22	*1*	*4*	17	47	108	214	256	85	1959	13	*3*	7	13	28	41	46	*73*	87
19	*1*	*2*	15	40	96	185	149	73	1960	14	*1*	7	19	31	46	48	*69*	96
18	*2*	*3*	13	41	86	146	250	68	1961	14	*2*	*5*	16	31	45	60	*49*	95
18	*2*	*6*	12	30	94	195	*174*	71	1962	14	*2*	*5*	14	29	48	56	*71*	93

Oesophagus (150)

63	*2*	9	32	127	352	729	*735*	88	1953	38	*2*	*4*	26	65	143	283	414	99
61	*1*	8	37	123	330	683	811	85	1954	40	*1*	6	25	68	149	314	404	104
63	*2*	9	36	126	337	737	679	88	1955	41	*1*	10	24	57	161	334	365	106
64	*1*	10	37	141	329	696	775	88	1956	41	*2*	6	26	67	152	307	387	104
61	*1*	8	39	119	322	646	709	82	1957	41	*0*	*5*	27	61	152	315	375	103
60	*2*	6	34	123	345	599	557	81	1958	42	*1*	*5*	20	62	159	321	441	104
63	*1*	8	37	127	331	643	856	85	1959	41	*1*	*5*	21	64	141	302	409	99
59	*2*	*6*	36	113	299	653	777	79	1960	43	*1*	7	28	60	144	306	453	102
61	*1*	7	38	132	305	618	804	82	1961	44	*2*	*5*	26	67	155	304	454	106
61	*2*	7	43	131	308	588	1,000	83	1962	44	*1*	7	24	66	144	310	486	104

Stomach (151)

379	17	89	343	978	2,044	2,927	2,868	98	1953	271	14	51	157	412	1,069	2,211	2,566	93
369	12	88	318	919	1,981	2,979	2,581	95	1954	273	13	43	161	433	1,074	2,115	2,366	92
373	12	71	331	905	1,954	3,169	2,859	95	1955	268	11	42	146	395	1,058	2,080	2,605	90
360	10	76	293	909	1,907	2,938	2,712	91	1956	268	11	45	139	394	1,008	2,126	2,503	89
369	16	64	311	901	1,893	3,095	2,930	93	1957	258	11	42	119	392	977	1,967	2,380	84
365	10	69	303	885	1,926	2,954	2,830	92	1958	264	12	41	128	362	1,001	2,032	2,495	85
362	11	65	294	863	1,925	2,986	2,744	91	1959	262	10	37	126	355	951	2,019	2,668	83
356	11	63	283	873	1,845	2,898	2,543	88	1960	258	11	37	125	347	949	1,890	2,729	81
348	12	65	276	844	1,802	2,839	2,957	87	1961	252	11	38	115	339	933	1,851	2,454	79
341	9	57	261	853	1,754	2,830	2,728	85	1962	245	10	38	116	333	851	1,805	2,590	76

Large intestine, except rectum (153)

196	13	38	127	352	1,025	2,267	2,956	97	1953	243	11	48	143	381	888	1,919	3,250	95
190	7	43	111	354	975	2,187	2,784	93	1954	238	12	56	149	373	832	1,875	2,776	92
183	12	38	112	346	932	2,066	2,487	89	1955	240	13	47	143	359	849	1,869	2,904	91
177	11	32	107	333	918	1,969	2,413	86	1956	236	11	46	139	366	797	1,829	2,763	89
176	12	38	106	316	869	1,998	2,477	84	1957	233	7	40	134	351	786	1,773	2,777	86
170	8	37	103	306	862	1,871	2,477	81	1958	232	10	40	137	335	767	1,745	2,899	85
165	11	32	103	309	814	1,829	2,122	79	1959	236	7	41	142	344	777	1,745	2,751	85
164	11	33	108	316	781	1,758	2,181	78	1960	230	11	40	143	334	760	1,613	2,695	82
165	7	32	109	299	825	1,762	2,413	79	1961	229	9	40	134	326	760	1,612	2,693	81
163	8	28	100	333	782	1,748	2,391	78	1962	228	7	40	133	339	732	1,611	2,571	80

Table XCII—*continued*

All ages	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 =100)		All ages	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 =100)
				MALES										FEMALES				
									Rectum (154)									
153	*5*	24	88	306	852	1,708	1,838	**90**	1953	106	9	26	84	197	378	758	875	**96**
157	6	27	95	288	854	1,737	2,108	**91**	1954	108	7	28	74	184	381	776	1,099	**96**
149	7	22	95	311	760	1,664	1,615	**86**	1955	104	7	20	69	183	378	708	1,078	**91**
147	*4*	21	77	281	794	1,679	1,938	**84**	1956	103	*5*	27	74	163	382	670	1,081	**90**
144	7	20	83	274	773	1,575	1,663	**82**	1957	98	*4*	22	65	152	357	666	1,043	**84**
144	*4*	23	91	291	735	1,565	1,568	**82**	1958	107	*4*	21	69	171	367	731	1,197	**91**
140	*5*	23	83	272	729	1,492	1,789	**79**	1959	111	*6*	23	68	166	368	806	1,145	**93**
137	*5*	21	86	253	718	1,448	1,872	**77**	1960	103	*3*	17	68	147	375	696	1,030	**86**
131	*5*	21	72	265	654	1,365	2,022	**74**	1961	102	*3*	21	70	148	345	675	1,112	**84**
130	*5*	21	72	268	651	1,396	1,837	**74**	1962	102	*3*	22	69	151	334	664	1,137	**84**
									Pancreas (157)									
81	*3*	20	73	197	438	649	794	**104**	1953	65	*2*	11	41	116	266	486	474	**99**
83	*3*	20	71	204	448	667	784	**105**	1954	67	*1*	10	40	111	275	462	689	**100**
86	*2*	19	69	216	441	718	795	**108**	1955	71	*2*	9	45	121	294	465	623	**105**
86	*2*	16	74	223	442	712	538	**107**	1956	67	*2*	10	32	126	276	442	549	**98**
87	*3*	15	76	218	471	656	709	**108**	1957	74	*1*	15	43	129	275	510	603	**107**
91	*3*	16	75	214	472	762	886	**113**	1958	75	*2*	9	40	122	305	476	718	**107**
95	*0*	17	71	238	500	762	933	**117**	1959	79	*2*	10	42	141	289	534	658	**111**
94	*1*	18	70	229	485	770	957	**115**	1960	79	*1*	12	42	115	308	540	739	**111**
93	*2*	17	76	225	468	744	1,000	**114**	1961	80	*1*	8	45	131	305	500	776	**111**
93	*2*	14	80	218	488	765	804	**114**	1962	84	*3*	10	42	141	316	522	825	**116**
									Trachea, bronchus and lung (162, 163)									
607	27	173	881	2,245	2,768	1,913	868	**114**	1953	98	11	40	107	235	361	435	263	**104**
657	25	181	934	2,410	3,040	2,018	838	**122**	1954	102	11	41	122	235	379	388	373	**107**
693	24	175	895	2,539	3,310	2,280	1,000	**128**	1955	106	10	39	120	261	390	416	275	**111**
726	25	172	918	2,625	3,473	2,473	1,288	**133**	1956	111	10	40	122	267	393	445	428	**115**
759	20	169	915	2,724	3,658	2,655	1,384	**138**	1957	116	9	40	133	280	390	476	364	**118**
784	23	166	916	2,684	3,923	2,969	1,182	**142**	1958	119	11	48	135	278	401	468	404	**121**
831	24	182	912	2,849	4,171	3,211	1,378	**149**	1959	123	10	46	147	287	411	467	368	**124**
856	28	158	898	2,879	4,316	3,564	1,862	**153**	1960	132	8	52	146	300	456	517	399	**132**
871	24	163	891	2,880	4,491	3,690	1,891	**156**	1961	141	8	51	159	323	480	537	502	**140**
895	24	160	896	2,947	4,697	3,841	1,891	**160**	1962	146	9	50	162	350	482	576	420	**145**

Breast (170)

4	—	3	4	14	15	16	44	128	1953	356	36	218	494	766	1,073	1,510	2,289	99
4	—	2	4	8	19	30	27	125	1954	364	34	228	528	747	1,060	1,537	2,354	100
4	0	1	2	12	14	28	64	119	1955	369	39	207	546	756	1,062	1,535	2,317	100
3	—	1	4	8	16	17	50	105	1956	371	35	212	531	750	1,067	1,549	2,341	100
3	—	0	2	10	17	24	47	105	1957	370	32	196	538	767	1,029	1,535	2,228	99
3	—	2	3	6	14	37	34	109	1958	383	39	214	556	757	1,089	1,525	2,351	101
3	—	0	2	7	13	24	56	92	1959	371	35	201	551	742	1,050	1,409	2,192	97
3	0	0	2	5	16	25	53	92	1960	382	33	194	569	774	1,051	1,498	2,217	100
4	—	1	4	8	20	25	33	117	1961	390	33	187	585	805	1,043	1,514	2,376	102
3	0	1	3	9	11	37	54	113	1962	389	37	205	569	824	1,044	1,445	2,302	101

FEMALES

Cervix uteri (171)

109	23	77	160	267	308	358	329	94	1953	53	2	8	54	145	177	273	230	98
105	20	72	172	239	302	321	304	90	1954	52	1	12	44	136	184	262	267	95
108	24	79	156	254	314	325	275	92	1955	50	2	8	47	129	175	237	281	91
108	27	78	165	235	316	328	312	91	1956	51	1	8	51	135	185	218	249	92
106	24	93	150	223	302	331	332	89	1957	52	2	7	45	133	179	277	201	93
116	24	99	178	246	304	348	378	96	1958	51	1	8	45	131	178	248	191	90
109	20	100	162	208	286	371	399	90	1959	52	1	8	41	130	190	223	301	91
110	21	109	183	192	279	354	379	90	1960	53	2	7	39	133	187	237	300	92
105	16	92	171	213	255	335	385	86	1961	52	0	8	45	122	197	219	312	91
105	10	106	174	199	261	321	396	86	1962	52	1	11	39	126	203	208	278	90

FEMALES

Corpus uteri (172)

MALES

Prostate (177)

149	0	1	23	172	890	2,364	2,706	103	1953	112	11	64	207	280	321	301	197	100
157	0	2	21	160	904	2,520	3,297	107	1954	114	14	63	202	283	318	313	292	101
156	—	2	16	152	917	2,484	3,244	105	1955	121	13	70	207	305	335	322	359	106
165	0	0	16	163	937	2,684	3,588	111	1956	121	13	74	191	323	317	348	306	106
161	0	2	14	150	929	2,558	3,302	107	1957	124	12	73	210	315	325	330	277	107
166	—	2	18	156	922	2,707	3,511	111	1958	124	11	52	199	321	359	332	255	106
164	—	1	16	154	882	2,696	3,833	109	1959	125	17	57	187	322	353	365	311	107
166	—	1	15	160	912	2,589	4,011	110	1960	125	15	62	188	319	341	374	261	107
164	—	2	14	140	869	2,772	3,880	109	1961	128	15	60	202	335	345	349	341	109
169	—	2	19	160	837	2,885	4,283	113	1962	127	13	60	190	326	370	350	283	109

FEMALES

Ovary, Fallopian tube, and broad ligament (175)

Bladder (181·0, ·8)

86	0	6	59	196	465	881	1,103	101	1953	34	1	4	21	53	123	295	342	103
87	1	11	54	212	464	839	1,027	101	1954	36	2	4	15	52	147	296	391	106
91	2	8	60	197	500	929	1,013	105	1955	36	1	4	19	51	145	298	341	106
93	1	13	60	201	494	941	1,250	108	1956	36	—	4	14	42	143	294	514	104
94	1	11	51	202	493	985	1,209	107	1957	36	—	4	13	50	142	285	446	104
92	1	8	46	200	511	929	1,091	105	1958	36	—	4	16	50	140	283	372	103
91	0	10	51	203	501	871	1,089	103	1959	40	1	3	16	57	139	307	508	111
96	—	8	46	194	549	987	1,149	109	1960	39	0	4	17	50	136	320	355	106
96	2	12	53	193	530	931	1,326	108	1961	38	0	5	15	49	144	257	507	103
103	1	11	46	201	575	1,073	1,533	116	1962	39	0	3	19	54	131	298	443	107

Table XCII—*continued*

All ages	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 =100)		All ages	25–	35–	45–	55–	65–	75–	85 and over	S.M.R. (1950–52 =100)
			MALES										FEMALES					
								Other urinary organs (181·7)										
0	0	—	1	1	2	4	—	98	1953	1	—	—	2	0	6	7	—	113
1	—	—	1	2	4	9	—	175	1954	1	0	0	0	3	5	3	12	111
1	—	—	0	2	3	3	—	115	1955	1	—	—	—	2	3	6	—	77
1	—	—	1	2	4	2	—	123	1956	1	—	1	—	2	5	10	12	130
1	—	—	2	1	3	12	—	186	1957	1	—	—	1	3	4	7	5	118
1	—	0	0	3	1	3	—	111	1958	1	—	—	1	1	3	1	5	61
1	—	—	0	1	6	12	11	174	1959	1	—	—	0	2	5	2	5	94
1	—	—	1	2	3	7	—	135	1960	1	—	0	1	3	1	3	10	88
1	—	—	0	3	1	8	—	134	1961	1	—	0	1	1	5	10	5	120
1	—	0	1	2	2	5	11	124	1962	1	—	1	1	0	5	8	5	103
								Hodgkin's disease (201)										
23	23	27	30	41	55	32	—	106	1953	13	13	12	16	22	24	24	13	106
23	24	29	30	39	51	39	27	107	1954	13	12	11	11	22	32	30	12	105
23	28	26	29	40	49	44	13	106	1955	12	12	12	14	18	30	20	42	104
24	26	28	23	49	56	47	12	108	1956	13	16	13	13	22	27	36	12	112
27	28	32	37	48	50	54	47	124	1957	12	13	11	14	23	26	30	—	104
22	25	21	29	38	45	56	34	100	1958	13	14	12	14	22	32	24	11	113
25	30	25	38	42	51	56	11	114	1959	14	18	15	13	24	28	33	36	118
23	23	29	31	41	44	44	11	106	1960	15	14	13	15	24	34	43	20	125
24	29	31	32	40	55	50	54	112	1961	13	12	9	14	21	23	36	54	108
24	31	25	33	41	55	67	11	112	1962	15	16	13	14	22	37	39	14	122

Table XCIII. Leukaemia and aleukaemia (ICD No. 204), death rates per million living, by sex and age, 1958 to 1962, England and Wales

Year	0–14			15–24			25–44			45–64			65 and over			All ages		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Acute leukaemia (ICD No. 204·3)																		
1958 ..	34·6	21·4	28·2	16·7	8·5	12·6	17·6	11·6	14·6	32·1	24·7	28·2	71·9	48·8	57·8	30·4	21·9	26·0
1959 ..	31·8	29·2	30·5	19·7	16·6	18·2	17·7	14·0	15·9	28·3	27·1	27·7	67·8	43·8	53·1	28·8	25·2	26·9
1960 ..	34·9	26·6	30·8	20·8	12·5	16·7	22·0	11·7	16·8	35·7	26·1	30·7	98·0	53·1	70·4	35·7	24·6	30·0
1961 ..	32·8	23·6	28·3	21·5	13·6	17·6	16·5	14·5	15·5	32·6	26·0	29·1	84·4	56·2	67·0	31·7	25·3	28·4
1962 ..	27·5	24·5	26·0	20·3	12·9	16·7	15·3	16·0	15·7	31·9	28·3	30·0	93·1	62·5	74·3	30·5	27·3	28·8
Remainder of leukaemia and aleukaemia (ICD 204 Rem.)																		
1958 ..	3·8	4·4	4·1	5·7	2·8	4·3	11·2	9·2	10·2	44·2	27·7	35·5	141·4	98·2	115·0	29·4	24·5	26·9
1959 ..	6·8	3·6	5·2	4·5	2·1	3·3	13·4	10·1	11·7	40·3	33·2	36·6	158·7	102·8	124·4	31·3	26·7	28·9
1960 ..	4·3	2·9	3·6	4·0	3·4	3·7	11·2	8·2	9·7	40·5	33·5	36·9	170·2	105·2	130·3	31·2	26·8	28·9
1961 ..	6·3	3·7	5·0	5·5	2·0	3·8	10·7	7·3	9·0	45·1	35·1	39·8	154·7	102·3	122·4	31·3	26·6	28·9
1962 ..	4·8	4·1	4·5	5·5	4·7	5·1	10·1	10·6	10·3	43·7	32·2	37·7	161·1	104·5	126·2	30·9	27·5	29·2

Table XCIV. Diseases of the circulatory system, vascular lesions affecting the central nervous system, and congenital malformations of circulatory system, death rates per million living, and Standardised Mortality Ratios (1950–52 = 100), by sex, 1952 to 1962, England and Wales

Abbreviated List No.	ICD No.			1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
B24	400–402	Rheumatic fever	M	7	7	7	5	5	4	3	3	3	3	3
			F	8	7	6	5	5	4	3	3	3	2	2
B25	410–416	Chronic rheumatic heart disease	M	164	157	148	140	142	138	118	113	112	115	112
			F	247	240	237	232	223	225	208	195	196	205	199
	420	Arteriosclerotic heart disease including coronary disease	M	1,874	1,860	2,016	2,097	2,206	2,230	2,395	2,385	2,561	2,613	2,767
			F	999	1,012	1,084	1,163	1,222	1,243	1,368	1,393	1,497	1,569	1,657
B26	421	Chronic endocarditis not specified as rheumatic	M	74	71	81	75	75	81	77	69	76	72	75
			F	63	60	64	60	59	70	65	65	66	69	68
	422	Other myocardial degeneration	M	1,303	1,230	1,177	1,179	1,112	976	988	868	809	789	736
			F	1,629	1,603	1,528	1,550	1,490	1,335	1,382	1,275	1,232	1,232	1,170
	430	Acute and subacute endocarditis	M	9	9	9	10	9	9	9	9	8	9	8
B27			F	6	6	5	5	5	6	6	5	6	5	5
	431–434	Other diseases of heart	M	202	216	231	230	235	253	260	249	265	279	274
			F	238	248	250	261	273	286	300	298	310	341	337
B28, 29	440–447	Hypertension with or without mention of heart disease	M	440	451	457	458	444	419	400	362	353	331	303
			F	444	453	472	498	486	464	469	437	423	424	387
B46 (part)	450	General arteriosclerosis	M	229	224	225	225	220	198	221	209	211	218	213
			F	227	233	228	251	242	231	253	261	269	290	285
	465	Pulmonary embolism and infarction	M	15	18	19	22	21	22	22	29	32	34	35
			F	16	19	19	21	25	24	29	31	34	38	40
	Rem. of 451–468	Other circulatory diseases	M	65	68	76	81	89	95	101	104	112	118	131
			F	69	70	79	85	94	93	101	102	115	124	132
	400–468	**Diseases of the circulatory system**	M	**4,382**	**4,311**	**4,446**	**4,521**	**4,558**	**4,425**	**4,595**	**4,401**	**4,542**	**4,581**	**4,656**
			F	**3,946**	**3,950**	**3,973**	**4,131**	**4,124**	**3,980**	**4,183**	**4,065**	**4,151**	**4,299**	**4,282**
	400–468	*Standardised Mortality Ratios*	*M*	*97*	*95*	*97*	*98*	*99*	*95*	*98*	*94*	*96*	*98*	*100*
			F	*93*	*92*	*90*	*92*	*91*	*86*	*89*	*85*	*86*	*88*	*87*
B22	330–334	**Vascular lesions affecting the central nervous system**	M	**1,381**	**1,356**	**1,433**	**1,454**	**1,442**	**1,411**	**1,439**	**1,412**	**1,405**	**1,324**	**1,398**
			F	**1,761**	**1,716**	**1,811**	**1,868**	**1,877**	**1,854**	**1,921**	**1,883**	**1,909**	**1,925**	**1,941**
B41 (part)	754	**Congenital malformations of circulatory system**	M	**42**	**43**	**45**	**47**	**47**	**52**	**52**	**50**	**53**	**54**	**59**
			F	**35**	**34**	**33**	**33**	**34**	**39**	**37**	**39**	**43**	**44**	**45**

Table XCV. Diseases of the circulatory system, vascular lesions affecting the central nervous system, and congenital malformations of circulatory system, deaths and death rates per million living, and per 100 deaths from all circulatory diseases, by sex and age, 1962, England and Wales

Abbreviated List No.	Cause of death		Males							Females						
			All ages	0–	15–	25–	45–	65–	75 and over	All ages	0–	15–	25–	45–	65–	75 and over
B24	Rheumatic fever	Deaths	62	10	9	8	14	16	5	44	9	4	8	9	12	2
		Rate	2·7	*1·8*	*2·8*	*1·3*	*2·5*	*11*	*7·2*	1·8	*1·7*	*1·3*	*1·3*	*1·5*	*5·6*	*1·5*
		Per cent	0·1	20·0	6·5	0·3	0·0	0·1	0·0	0·0	16·1	3·6	0·7	0·1	0·0	0·0
B25	Chronic rheumatic heart disease	Deaths	2,529	1	43	408	1,209	511	357	4,783	1	38	533	2,054	1,140	1,017
		Rate	112	*0·18*	13	66	212	351	517	199	*0·19*	12	88	332	534	772
		Per cent	2·4	2·0	30·9	14·2	4·0	1·7	0·9	4·7	1·8	33·9	44·5	16·8	4·6	1·6
B26	Arteriosclerotic heart disease	Deaths	62,686	3	13	1,884	23,091	20,320	17,375	39,792	2	4	255	6,226	13,085	20,220
		Rate	2,767	*0·55*	*4·0*	307	4,051	13,946	25,145	1,657	*0·39*	*1·3*	42	1,007	6,126	15,341
		Per cent	59·4	6·0	9·4	65·8	76·6	66·0	41·9	38·7	3·6	3·6	21·3	50·8	52·3	31·5
	Degenerative heart disease	Deaths	18,377	4	16	128	1,456	3,739	13,034	29,756	5	14	65	951	4,114	24,607
		Rate	811	*0·74*	*4·9*	21	255	2,566	18,863	1,239	*0·97*	*4·4*	11	154	1,926	18,670
		Per cent	17·4	8·0	11·5	4·5	4·8	12·1	31·4	28·9	8·9	12·5	5·4	7·8	16·5	38·3
B27	Other diseases of heart	Deaths	6,389	26	28	111	1,196	1,835	3,193	8,213	26	19	86	812	1,907	5,363
		Rate	282	4·8	8·6	18	210	1,259	4,621	342	5·1	*6·0*	14	131	893	4,069
		Per cent	6·1	52·0	20·1	3·9	4·0	6·0	7·7	8·0	46·4	17·0	7·2	6·6	7·6	8·3
B28	Hypertension with heart disease	Deaths	4,266	—	5	50	986	1,448	1,777	6,265	—	—	33	695	1,848	3,689
		Rate	188	—	*1·5*	8·1	173	994	2,572	261	—	—	5·4	112	865	2,799
		Per cent	4·0	—	3·6	1·7	3·3	4·7	4·3	6·1	—	—	2·8	5·7	7·4	5·7
B29	Hypertension without mention of heart	Deaths	2,599	—	8	129	795	675	992	3,022	3	8	50	472	775	1,714
		Rate	115	—	*2·5*	21	139	463	1,436	126	*0·58*	*2·5*	8·2	76	363	1,300
		Per cent	2·5	—	5·8	4·5	2·6	2·2	2·4	2·9	5·4	7·1	4·2	3·9	3·1	2·7
B46 (part)	Other circulatory diseases	Deaths	8,558	6	17	146	1,389	2,238	4,762	10,982	10	25	167	1,025	2,125	7,630
		Rate	378	*1·1*	*5·2*	24	244	1,536	6,891	457	*1·9*	7·9	28	166	995	5,789
		Per cent	8·1	12·0	12·2	5·1	4·6	7·3	11·5	10·7	17·9	22·3	14·0	8·4	8·5	11·9
	All circulatory diseases	Deaths	105,466	50	139	2,864	30,136	30,782	41,495	102,857	56	112	1,197	12,244	25,006	64,242
		Rate	4,656	9·2	43	467	5,287	21,127	60,051	4,282	10·9	35	197	1,980	11,707	48,742
		Per cent	100	100	100	100	100	100	100	100	100	100	100	100	100	100
B22	Vascular lesions affecting central nervous system	Deaths	31,673	45	54	472	5,963	9,623	15,516	46,624	29	44	483	5,751	11,683	28,634
		Rate	1,398	8·3	17	77	1,046	6,605	22,454	1,941	5·6	14	80	930	5,470	21,725
B41 (part)	Congenital malformations of circulatory system	Deaths	1,330	1,061	64	88	88	19	10	1,087	852	48	54	86	28	19
		Rate	59	196	20	14	15	*13*	*14*	45	166	15	8·9	14	13	*14*

Table XCVI. Diseases of the circulatory system, and vascular lesions affecting the central nervous system, death rates per million living, by sex, at age 45–64, in the standard regions, conurbations, and urban and rural aggregates outside the conurbations, 1962, England and Wales

	All causes		Vascular lesions affecting central nervous system (330–334)		Chronic rheumatic heart disease and chronic endocarditis (410–416, 421)		Arteriosclerotic heart disease (420)		Myocardial degeneration (422)		Other diseases of heart (430–434)		Hypertension with or without heart disease (440–447)	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ENGLAND AND WALES	**13,976**	**7,428**	**1,046**	**930**	**319**	**372**	**4,051**	**1,007**	**149**	**114**	**210**	**131**	**312**	**189**
Regions:														
Northern	15,371	7,949	1,279	1,081	284	350	4,793	1,429	113	113	223	110	258	191
East and West Ridings	14,958	7,753	1,163	1,009	385	422	4,454	1,192	150	109	231	153	258	180
North Western	16,247	8,491	1,237	1,111	355	503	4,905	1,243	195	138	293	168	345	200
North Midland	12,669	6,987	1,031	896	311	335	3,490	838	199	128	212	160	347	177
Midland	14,195	7,562	1,086	968	331	450	3,726	882	174	128	229	163	345	220
Eastern	11,350	6,471	855	871	203	280	3,251	778	101	85	194	118	222	139
London and South Eastern	13,552	6,973	868	725	337	318	3,874	872	104	75	158	95	290	151
Southern	12,554	6,679	910	808	216	297	3,728	808	129	124	201	96	335	201
South Western	12,598	7,202	1,050	1,019	267	299	3,527	918	248	174	184	114	381	215
Wales	15,090	8,308	1,197	1,140	403	436	4,576	1,282	113	140	197	172	385	323
Conurbations	15,058	7,571	1,042	855	361	414	4,335	1,061	115	86	219	128	321	175
Tyneside	16,845	8,072	1,340	1,036	320	342	4,922	1,486	78	99	194	72	252	198
West Yorkshire	15,877	7,645	1,350	1,028	427	351	4,973	1,410	127	92	305	163	295	143
South East Lancashire	17,049	8,867	1,341	1,096	390	580	4,852	1,246	213	133	285	206	370	203
Merseyside	17,409	8,751	1,052	1,046	279	578	5,273	1,382	91	104	325	139	351	179
West Midlands	14,961	7,291	1,067	890	375	468	3,756	813	155	107	265	171	410	224
Greater London	13,788	7,003	848	689	350	346	4,005	902	79	60	156	89	289	158
Areas outside conurbations:														
Urban areas with populations of 100,000 and over	15,018	7,668	1,112	984	311	428	4,279	1,020	150	115	199	144	402	217
Urban areas with populations of 50,000 and under 100,000	13,296	7,160	1,140	898	263	329	3,762	940	158	157	225	131	250	167
Urban areas with populations under 50,000	13,649	7,498	1,067	984	316	362	4,077	996	179	126	219	130	299	200
Rural districts	11,941	7,027	946	995	274	280	3,484	934	176	134	184	130	279	193

Table XCVII. Diseases of the circulatory system, and vascular lesions affecting the central nervous system, death rates per million living, by sex, at age 65 and over, in the standard regions, conurbations, and urban and rural aggregates outside the conurbations, 1962, England and Wales

	All causes		Vascular lesions affecting central nervous system (330–334)		Chronic rheumatic heart disease and chronic endocarditis (410–416, 421)		Arteriosclerotic heart disease (420)		Myocardial degeneration (422)		Other diseases of heart (430–434)		Hypertension with or without heart disease (440–447)	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ENGLAND AND WALES	**82,838**	**60,135**	**11,703**	**11,673**	**876**	**1,020**	**17,549**	**9,642**	**7,337**	**7,920**	**2,341**	**2,105**	**2,277**	**2,324**
Regions:														
Northern	84,797	63,667	13,818	13,961	642	918	18,885	11,261	6,777	7,599	2,655	2,222	2,047	2,333
East and West Ridings	85,302	64,463	12,847	12,813	783	925	18,683	11,619	7,132	7,520	2,169	2,207	2,000	2,388
North Western	90,403	66,225	13,535	12,948	799	1,069	18,260	10,075	8,139	8,751	2,601	2,466	2,156	2,229
North Midland	80,622	60,466	11,826	12,076	773	884	15,494	8,777	8,273	8,920	2,820	2,610	2,576	2,530
Midland	80,443	59,039	11,866	11,568	846	945	15,428	8,819	7,756	8,255	2,269	1,952	2,383	2,323
Eastern	73,189	53,990	11,079	11,348	768	816	16,405	9,058	5,532	6,137	2,079	1,836	1,726	1,812
London and South Eastern	82,630	58,062	9,720	9,938	1,072	1,238	18,145	9,541	6,335	7,363	2,266	1,999	2,393	2,406
Southern	77,844	54,169	10,603	10,723	1,007	939	17,184	8,749	7,305	7,286	2,305	1,788	2,064	2,078
South Western	83,169	58,949	11,915	11,614	836	802	17,424	8,812	10,130	9,389	2,367	1,911	2,588	2,317
Wales	87,415	64,600	12,869	14,094	938	1,172	18,831	10,039	7,469	8,944	1,831	2,106	2,831	2,928
Conurbations	85,635	61,310	10,915	10,754	1,013	1,218	18,315	10,210	6,376	7,250	2,264	2,078	2,362	2,415
Tyneside	87,162	62,667	14,135	12,704	757	1,167	18,757	10,944	6,162	6,722	2,270	2,148	2,432	2,833
West Yorkshire	89,789	66,045	13,329	12,750	684	1,129	21,132	13,129	7,079	6,735	2,684	2,356	1,816	2,144
South East Lancashire	90,971	67,574	13,971	13,250	874	1,074	16,515	9,165	8,291	9,631	2,641	2,182	1,961	1,994
Merseyside	90,647	65,582	11,314	11,198	882	1,099	19,784	11,209	5,941	6,231	2,804	2,692	2,118	2,549
West Midlands	81,511	59,392	11,750	11,865	989	953	15,402	9,095	7,707	8,155	1,750	1,791	2,533	2,304
Greater London	83,322	58,222	8,843	9,112	1,180	1,365	18,745	9,940	5,383	6,661	2,116	1,961	2,586	2,564
Areas outside conurbations:														
Urban areas with populations of 100,000 and over	86,953	61,294	12,365	12,514	895	1,020	18,469	9,952	6,708	7,580	2,195	2,041	2,621	2,455
Urban areas with populations of 50,000 and under 100,000	81,044	55,006	11,345	11,020	823	795	17,424	8,755	7,217	7,373	2,266	1,974	2,163	1,994
Urban areas with populations under 50,000	84,840	62,791	13,074	12,984	749	902	17,878	9,896	8,672	9,209	2,345	2,274	2,276	2,345
Rural districts	75,432	57,100	11,305	11,673	816	912	15,689	8,616	7,844	8,234	2,566	2,082	2,014	2,221

Table XCVIII. Congenital malformations of the circulatory system (ICD No. 754), deaths and death rates per million living, by sex and age, 1954 to 1962, England and Wales

Age	1954		1955		1956		1957		1958		1959		1960		1961		1962	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Deaths																		
All ages	**948**	**767**	**1,007**	**756**	**1,017**	**791**	**1,126**	**911**	**1,124**	**870**	**1,102**	**921**	**1,161**	**1,009**	**1,214**	**1,056**	**1,330**	**1,087**
0–	647	514	645	430	677	506	725	553	726	528	724	584	747	612	793	635	887	687
1–	48	58	80	76	58	59	71	60	87	71	76	66	83	84	76	83	89	90
5–	50	42	53	55	60	49	68	55	52	53	79	67	86	83	106	75	85	75
15–	122	87	144	115	132	102	140	115	148	117	132	105	130	115	124	131	152	102
45–	60	45	67	58	65	53	94	95	86	79	69	68	85	79	87	85	88	86
65 and over ..	21	21	18	22	25	22	28	33	25	22	22	31	30	36	28	47	29	47
Death rates per million living*																		
All ages	**44·5**	**33·4**	**47·1**	**32·8**	**47·3**	**34·2**	**52·0**	**39·2**	**51·7**	**37·2**	**50·4**	**39·2**	**52·6**	**42·6**	**54·3**	**44·3**	**58·7**	**45·3**
0–	1·87	1·57	1·88	1·33	1·88	1·49	1·95	1·58	1·91	1·47	1·88	1·61	1·85	1·61	1·90	1·61	2·05	1·69
1–	35·3	44·8	59·4	59·2	43·3	46·3	52·6	46·8	63·7	54·7	54·6	49·9	57·7	61·5	51·4	59·2	58·2	62·2
5–	14·8	13·0	15·4	16·7	17·1	14·6	19·2	16·2	14·6	15·6	22·3	19·8	24·3	24·5	29·9	22·2	24·5	22·7
15–	13·6	9·42	16·0	12·5	14·8	11·2	15·7	12·7	16·6	13·0	14·8	11·6	14·5	12·7	13·6	14·4	16·2	11·0
45–	11·6	7·69	12·8	9·81	12·2	8·88	17·4	15·8	15·7	13·0	12·4	11·1	15·1	12·8	15·3	13·7	15·4	13·9
65 and over ..	10·4	6·93	8·85	7·15	12·2	7·03	13·5	10·3	12·1	6·79	10·6	9·43	14·3	10·7	13·2	13·8	13·5	13·6

* At ages under 1 year, per thousand live birth occurrences.

Table XCIX. Bronchitis (ICD Nos. 500–502), infant mortality rates per 1,000 live births, death rates per million living at ages over one year and Standardised Mortality Ratios (1950–52 = 100), 1950 to 1962, England and Wales

	Infant mortality rate	1–	5–	15–	25–	35–	45–	55–	65–	75 and over	S.M.R. (All ages)
						Males					
1950	0·79	41	8·0	4·6	13	72	474	1,921	4,296	9,375	91
1951	0·74	46	5·5	5·1	14	93	616	2,479	5,619	12,392	118
1952	0·64	49	8·4	2·6	14	67	476	1,939	4,392	9,163	91
1953	0·70	42	5·7	5·5	11	73	486	2,036	5,007	10,062	99
1954	0·58	43	7·1	5·9	11	67	425	1,780	4,347	8,583	86
1955	0·65	48	5·8	9·5	11	73	475	1,997	4,868	9,531	96
1956	0·54	58	5·4	5·5	11	57	437	2,072	5,040	9,754	98
1957	0·45	39	4·8	4·0	11	65	431	2,034	4,683	8,503	92
1958	0·54	40	7·3	9·3	10	69	434	2,044	5,181	9,506	98
1959	0·57	40	6·2	5·2	12	53	411	1,958	5,126	9,624	96
1960	0·52	44	5·6	4·7	12	58	346	1,823	4,662	9,161	89
1961	0·44	56	5·4	5·2	11	52	378	2,062	5,548	10,718	103
1962	0·57	35	6·3	5·5	13	57	404	2,130	5,655	11,317	107
						Females					
1950	0·57	34	4·5	6·9	10	35	107	431	1,582	6,197	95
1951	0·60	41	4·8	6·3	13	41	142	608	2,102	8,019	124
1952	0·47	37	5·2	8·5	11	29	94	369	1,375	5,241	81
1953	0·55	45	5·0	5·7	13	35	98	433	1,501	5,875	91
1954	0·41	30	6·8	5·3	8·2	24	95	330	1,133	4,358	68
1955	0·41	25	3·6	4·6	11	29	94	366	1,321	4,768	76
1956	0·35	31	4·5	4·0	10	34	89	384	1,293	4,889	77
1957	0·35	34	6·5	5·0	12	30	93	330	1,104	3,547	61
1958	0·40	32	5·3	6·4	11	31	103	390	1,168	4,067	68
1959	0·47	32	3·5	4·5	8·2	30	92	359	1,161	3,883	65
1960	0·40	28	3·3	2·4	7·2	23	85	288	916	3,277	54
1961	0·34	34	5·0	5·0	8·7	31	101	342	1,192	3,847	65
1962	0·41	35	5·4	3·5	7·3	29	109	355	1,230	4,215	69

Table C. Bronchitis, death rates per million living, by sex, at ages 15–44, 45–64, and 65 and over, and Standardised Mortality Ratios, in standard regions and urban and rural aggregates within regional groups, 1962, England and Wales

	15–		45–		65 and over		S.M.R. (Persons all ages)
	M	F	M	F	M	F	
ENGLAND AND WALES	**25**	**13**	**1,182**	**226**	**7,477**	**2,369**	**100**
Urban and rural aggregates:							
Conurbations	26	16	1,419	285	9,472	3,099	125
Areas outside conurbations:							
Urban areas with populations of 100,000 and over	30	*13*	1,462	247	8,542	2,497	113
Urban areas with populations of 50,000 and under 100,000	24	*19*	1,081	181	6,931	1,866	87
Urban areas with populations under 50,000	32	12	1,047	198	6,747	2,042	89
Rural districts	15	*8*	744	147	4,947	1,600	68
NORTH OF ENGLAND	**36**	**21**	**1,537**	**308**	**8,603**	**2,971**	**124**
Regions:							
Northern	31	*18*	1,317	208	6,723	1,976	98
East and West Ridings	43	28	1,509	286	8,593	2,966	124
North Western	34	18	1,661	366	9,576	3,403	137
Conurbations	37	25	1,802	382	10,097	3,623	146
Tyneside	*34*	*34*	1,680	315	8,459	2,389	122
West Yorkshire	*40*	*33*	1,464	275	8,921	3,068	122
South East Lancashire	*30*	*21*	2,023	504	11,447	4,511	169
Merseyside	*47*	*17*	1,929	335	10,314	3,440	148
Areas outside conurbations:							
Urban areas with populations of 100,000 and over	*38*	*14*	1,822	289	9,839	3,063	138
Urban areas with populations of 50,000 and under 100,000	*34*	*33*	1,390	244	7,870	2,386	110
Urban areas with populations under 50,000	49	*14*	1,214	254	7,382	2,452	105
Rural districts	*15*	*14*	981	182	5,533	1,763	80
WALES AND MIDLANDS	**29**	**15**	**1,285**	**232**	**7,922**	**2,336**	**108**
Regions:							
Wales	*21*	*14*	1,316	172	8,508	2,033	109
North Midland	27	*18*	1,128	207	7,355	2,187	100
Midland	35	*14*	1,390	287	8,030	2,632	113
Conurbation:							
West Midlands	*36*	*16*	1,693	324	9,315	3,034	132
Areas outside conurbation:							
Urban areas with populations of 100,000 and over	*38*	*24*	1,680	288	9,940	2,689	134
Urban areas with populations of 50,000 and under 100,000	*22*	*11*	1,142	202	7,679	2,147	103
Urban areas with populations under 50,000	*27*	*17*	1,255	204	8,256	2,163	106
Rural districts	*22*	*7*	764	152	5,663	1,805	77
SOUTH AND EAST OF ENGLAND (excluding Greater London)	**17**	*7*	**781**	**149**	**5,316**	**1,662**	**68**
Regions:							
London and South Eastern (excluding Greater London)	*23*	*7*	850	159	5,530	1,669	69
Southern	*21*	*7*	850	170	5,695	1,710	73
South Western	*16*	*6*	792	135	5,141	1,621	66
Eastern	*10*	*7*	665	137	5,011	1,659	65
Urban areas with populations of 100,000 and over	*18*	*2*	1,032	187	6,740	2,050	85
Urban areas with populations of 50,000 and under 100,000	*21*	*14*	865	137	6,115	1,564	70
Urban areas with populations under 50,000	*22*	*5*	749	152	5,259	1,727	67
Rural districts	*10*	*7*	629	130	4,318	1,429	58
GREATER LONDON	**14**	*9*	**1,053**	**201**	**9,029**	**2,729**	**108**

Table CI. Accidents and violence, proportion of deaths attributed to violent causes per 100 deaths from all causes, by sex and age, 1901 to 1962, England and Wales

	Males					Females				
	All ages	0–	15–	35–	65 and over	All ages	0–	15–	35–	65 and over
1901–10 ..	5·05	3·22	12·88	7·22	2·31	2·31	2·85	3·06	2·18	1·54
1911–20 ..	5·69	3·74	15·69	7·16	2·29	2·31	2·95	2·97	2·26	1·63
1921–30 ..	5·48	4·43	15·49	7·06	2·37	2·49	3·06	4·02	2·74	1·79
1931–35 ..	6·05	5·60	20·29	7·37	2·55	3·04	4·11	5·54	3·31	2·25
1936–40 ..	7·30	7·30	29·58	8·67	2·89	4·10	5·73	9·52	4·82	2·83
1941–45 ..	9·13	10·34	46·29	9·46	2·85	4·56	8·25	12·26	5·58	2·74
1946–50 ..	4·81	8·50	26·26	6·01	2·07	2·91	6·53	5·86	3·50	2·16
1951–55 ..	4·70	10·02	38·58	6·07	2·09	3·09	7·47	10·34	3·89	2·39
1956	4·85	9·90	43·90	6·36	2·32	3·50	7·70	13·78	4·71	2·76
1957	4·83	9·30	43·18	6·24	2·28	3·50	7·13	13·97	4·62	2·77
1958	4·93	10·07	48·19	6·53	2·22	3·56	7·26	16·44	4·75	2·82
1959	4·99	10·02	49·98	6·22	2·33	3·64	7·38	18·41	4·96	2·84
1960	5·02	9·76	52·42	6·41	2·16	3·74	7·03	21·74	5·39	2·85
1961	4·86	10·04	51·69	6·15	2·12	3·56	6·70	23·04	5·13	2·70
1962	4·84	9·70	51·04	6·11	2·18	3·70	7·44	22·40	5·32	2·81

Table CII. Accidents and violence, death rates per million living, by sex and age, 1901 to 1962, England and Wales

	All ages	0–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75 and over
Males												
1901–10 ..	827	1,231	329	262	447	555	677	914	1,257	1,623	1,818	2,621
1911–20 ..	857	934	395	304	596	902	828	894	1,082	1,395	1,715	2,757
1921–30 ..	709	683	375	243	449	584	536	658	917	1,259	1,616	2,842
1931–40 ..	843	735	394	261	561	773	658	716	977	1,375	1,724	3,638
1941–50 ..	778	726	459	319	571	648	582	613	781	1,075	1,413	2,832
1951	591	487	259	190	362	608	474	429	591	814	1,137	2,745
1952	568	473	217	167	415	643	445	436	546	796	1,092	2,450
1953	582	418	215	151	373	603	446	429	583	822	1,198	2,811
1954	593	393	168	161	369	580	426	445	583	846	1,256	3,214
1955	605	386	207	181	444	671	446	444	567	823	1,243	3,166
1956	604	392	173	151	410	608	442	428	578	874	1,259	3,320
1957	594	351	168	156	456	644	421	456	566	845	1,197	3,126
1958	614	361	196	163	481	636	469	483	584	854	1,130	3,268
1959	615	352	185	164	574	704	448	442	560	833	1,261	3,183
1960	612	334	210	160	576	767	460	458	593	820	1,067	3,057
1961	611	358	203	160	599	687	473	483	567	784	1,114	3,080
1962	610	360	177	176	575	668	431	474	586	779	1,136	3,219
Females												
1901–10 ..	329	1,059	226	81	103	111	135	198	307	423	752	2,287
1911–20 ..	300	767	234	98	117	120	127	179	272	382	728	2,364
1921–30 ..	283	487	182	71	117	127	126	168	268	397	716	2,516
1931–40 ..	412	537	215	108	183	192	199	239	355	523	1,005	3,399
1941–50 ..	407	546	231	135	169	179	187	221	313	446	791	2,808
1951	321	350	96	45	88	87	85	126	228	327	648	2,803
1952	298	330	100	50	77	86	85	120	213	322	604	2,406
1953	329	319	94	62	73	86	88	139	232	349	670	2,727
1954	358	264	86	48	81	90	107	138	239	357	783	3,066
1955	370	300	94	59	94	85	96	143	241	377	775	3,128
1956	383	284	87	52	76	91	101	140	260	412	764	3,242
1957	374	279	83	45	79	98	103	145	258	396	762	2,991
1958	390	255	86	52	91	115	103	148	271	380	792	3,166
1959	399	259	82	67	101	130	113	156	253	416	784	3,163
1960	406	224	95	65	117	131	122	170	282	429	776	3,083
1961	406	250	73	42	148	137	129	175	278	402	802	3,008
1962	420	263	87	56	108	128	144	173	284	434	784	3,153

(89963)

Table CIII. Motor vehicle accidents, death rates per million living, by sex and age, and Standardised Mortality Ratios by sex, 1931 to 1962, England and Wales

	All ages	0–	10–	15–	20–	25–	35–	45–	55–	65–	75 and over	S.M.R.† (1950–52 = 100)
Males												
1931–35 ..	208	184	93	204	368	210	133	153	206	363	678	**143**
1936–40 ..	216	159	86	176	363	209	152	171	257	411	749	**146**
1941–45 ..	199	198	113	152	227	193	149	160	228	353	556	**130**
1946 ..	153	144	109	161	205	139	109	102	160	241	498	**99**
1947 ..	146	134	75	127	209	139	106	111	147	246	460	**95**
1948 ..	126	135	63	122	173	112	79	97	142	194	400	**82**
1949 ..	140	123	80	147	226	117	103	101	137	229	451	**91**
1950 ..	151	104	60	177	279	164	106	102	153	242	439	**98**
1951 ..	161	112	88	178	308	174	112	117	160	231	505	**105**
1952 ..	149	105	73	165	301	150	123	105	144	219	403	**97**
1953 ..	158	98	61	170	307	164	110	126	160	245	518	**103**
1954 ..	161	77	57	194	323	165	116	127	170	259	564	**105**
1955 ..	171	83	64	234	388	170	125	130	164	273	540	**111**
1956 ..	174	86	61	236	344	182	121	138	185	270	587	**113**
1957 ..	170	74	58	254	378	164	130	125	166	263	604	**111**
1958* ..	186	81	68	305	386	175	140	142	191	271	638	**121**
1959* ..	202	77	67	384	476	180	137	147	207	319	626	**131**
1960* ..	215	83	63	411	476	200	151	173	221	301	678	**140**
1961* ..	213	83	70	417	438	202	152	149	196	328	747	**138**
1962* ..	200	80	76	378	406	173	137	160	199	290	640	**129**
Females												
1931–35 ..	68	106	34	49	50	31	29	49	95	181	267	**169**
1936–40 ..	64	84	30	49	48	29	27	45	85	173	279	**158**
1941–45 ..	56	106	42	42	40	29	26	37	61	107	172	**128**
1946 ..	47	72	30	36	27	21	20	27	56	100	185	**105**
1947 ..	47	71	26	37	23	17	22	33	54	100	177	**104**
1948 ..	43	79	31	25	16	14	19	21	49	101	157	**96**
1949 ..	41	65	32	32	30	10	16	22	44	95	151	**91**
1950 ..	46	64	25	40	30	17	19	35	48	84	200	**101**
1951 ..	49	58	22	47	37	19	23	35	54	101	198	**107**
1952 ..	42	52	21	34	31	19	18	28	43	94	168	**92**
1953 ..	45	56	25	36	37	16	18	33	49	87	181	**97**
1954 ..	51	45	15	36	37	23	23	32	63	120	218	**109**
1955 ..	55	52	26	58	45	22	26	32	57	121	235	**117**
1956 ..	56	47	22	42	40	26	26	38	63	129	236	**119**
1957 ..	53	42	22	42	46	24	22	37	59	117	222	**111**
1958* ..	60	43	23	50	49	29	23	43	65	144	254	**126**
1959* ..	69	48	25	60	67	32	28	48	81	146	289	**143**
1960* ..	80	46	34	78	62	36	38	61	101	173	306	**165**
1961* ..	79	55	20	93	63	42	37	54	82	182	298	**163**
1962* ..	74	47	34	71	51	31	34	55	83	162	305	**152**

* According to the Seventh Revision of the International Classification (Nos. E810–E835). Other years according to the classification in use at the time.

† S.M.Rs. are based on civilian deaths and civilian populations for the years 1940–1949 inclusive.

Table CIV. Motor vehicle accidents, deaths by sex according to nature of injury and external cause, 1962, England and Wales

Nature of injury (Intermediate List)			Total deaths in motor vehicle accidents E810–E835	External cause of injury and ICD No. — MOTOR VEHICLE TRAFFIC ACCIDENTS									Remainder of E810–E835
				E812 to pedestrian	E813 to pedal cyclist	E814 to rider or passenger of motorcycle in collision with non-motor vehicle or object	E815 to rider or passenger of motorcycle in collision with other motor vehicle	E816 Other motor vehicle traffic accident involving two or more motor vehicles	E821 to rider of motorcycle without antecedent collision	E822 involving overturning in roadway	E823 involving running off roadway	E824 Other non-collision motor vehicle traffic accident	
	Total	M	**4,522**	**1,421**	**412**	**44**	**840**	**797**	**306**	**82**	**405**	**76**	**139**
		F	**1,784**	**1,076**	**68**	3	65	339	25	13	114	25	56
AN 138	Fracture of skull	M	2,111	650	247	27	438	265	188	37	170	36	53
		F	747	454	44	3	36	112	16	6	40	14	22
AN 139	Fracture of spine and trunk	M	453	220	32	1	47	69	16	11	39	5	13
		F	265	197	4	—	2	36	2	2	16	3	3
AN 140	Fracture of limbs	M	183	111	8	—	26	15	1	1	8	5	8
		F	135	101	—	—	4	13	1	—	7	2	7
AN 141	Dislocation without fracture	M	22	3	1	1	4	4	1	1	5	2	—
		F	9	3	—	—	—	3	—	—	2	1	—
AN 142	Sprains and strains of joints and adjacent muscles	M	—	—	—	—	—	—	—	—	—	—	—
		F	—	—	—	—	—	—	—	—	—	—	—
AN 143	Head injury (excluding fracture) ..	M	578	164	62	8	117	93	50	6	52	12	14
		F	229	135	8	—	10	51	3	1	11	2	8
AN 144	Internal injury of chest, abdomen, and pelvis	M	811	156	44	7	136	259	41	21	98	11	38
		F	249	106	7	—	8	91	1	4	24	1	7
AN 145	Laceration and open wounds	M	89	31	7	—	22	20	3	1	2	1	2
		F	31	18	—	—	—	8	—	—	3	—	2
AN 146	Superficial injury, contusion and crushing with intact skin surface ..	M	12	6	—	—	2	1	—	—	1	—	2
		F	8	3	2	—	—	—	—	—	—	2	1
AN 147	Effects of foreign body entering through orifice	M	2	—	—	—	—	1	—	1	—	—	—
		F	—	—	—	—	—	—	—	—	—	—	—
AN 148	Burns	M	6	—	—	—	—	4	—	—	1	1	—
		F	3	—	—	—	—	2	—	—	1	—	—
AN 149	Effects of poisons	M	—	—	—	—	—	—	—	—	—	—	—
		F	—	—	—	—	—	—	—	—	—	—	—
AN 150	All other and unspecified effects of external causes	M	255	80	11	—	48	66	6	3	29	3	9
		F	108	59	3	—	5	23	2	—	10	—	6

Table CV. Deaths of pedestrians, pedal cyclists, motorcyclists, motor vehicle occupants, and others in motor vehicle traffic accidents, motor vehicle non-traffic accidents, and other road vehicle accidents, by sex, 1941 to 1962, England and Wales

	1941–45 (annual average)		1946–49 (annual average)		1950–54 (annual average)		1955–59 (annual average)		1960		1961		1962	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Pedestrians:														
Motor vehicle traffic accidents ..	2,073	898	1,295	706	1,185	719	1,265	858	1,488	1,174	1,512	1,129	1,421	1,076
Motor vehicle non-traffic accidents					43	8	43	6	36	6	50	4	34	5
Other road vehicle accidents	166	70	79	47	63	36	34	28	20	25	19	23	15	24
Pedal cyclists:														
Motor vehicle traffic accidents ..	557	140	464	86	462	77	459	73	477	91	481	74	412	68
Motor vehicle non-traffic accidents					—	—	1	—	2	—	1	—	1	—
Other road vehicle accidents	230	51	159	29	138	27	112	17	88	14	71	11	77	9
Motorcyclists:														
Motor vehicle traffic accidents ..	651	27	659	48	1,018	83	1,234	102	1,529	151	1,382	125	1,190	93
Motor vehicle non-traffic accidents					8	—	9	—	10	—	12	—	15	—
Motor vehicle occupants and others:														
Motor vehicle traffic accidents ..	762	167	549	155	519	175	867	321	1,182	465	1,294	547	1,428	542
Motor vehicle non-traffic accidents					64	2	25	1	30	2	21	2	21	—
Other road vehicle accidents	47	11	26	6	27	11	11	8	6	7	8	12	7	7

Table CVI. Suicide, death rates per million living, by sex and age, in standard regions, conurbations, and urban and rural aggregates outside the conurbations, 1958–62, England and Wales

	Males					Females				
	All ages over 15	15–	25–	45–	65 and over	All ages over 15	15–	25–	45–	65 and over
ENGLAND AND WALES	**186**	**52**	**128**	**250**	**377**	**116**	**24**	**73**	**171**	**176**
Urban and rural aggregates:										
Conurbations	205	73	145	266	408	133	31	89	188	204
Areas outside conurbations:										
Urban areas with populations of 100,000 and over	190	46	116	247	464	126	26	76	183	204
Urban areas with populations of 50,000 and under 100,000	197	48	142	252	418	132	*15*	82	198	202
Urban areas with populations under 50,000	181	46	124	245	337	106	19	57	162	167
Rural districts	153	34	99	223	311	79	16	53	124	103
Regional summary:										
Northern	182	38	131	255	367	85	*14*	54	134	128
East and West Ridings	199	55	137	267	393	114	28	63	162	199
North Western	212	62	141	282	434	130	23	70	185	231
North Midland	170	35	115	233	365	102	*14*	65	143	183
Midland	176	52	108	239	428	110	20	64	173	178
Eastern	154	37	105	217	298	105	25	56	171	145
London and South Eastern	203	78	145	258	379	137	34	99	194	185
Southern	160	40	124	218	324	112	*18*	81	173	137
South Western	183	40	118	244	395	106	*18*	63	156	153
Wales	161	36	108	222	314	84	*14*	56	132	115
Conurbations:										
Tyneside	208	*39*	141	280	475	105	*13*	77	151	173
West Yorkshire	214	75	146	274	410	128	38	74	164	225
South East Lancashire	236	85	161	311	451	131	*19*	74	186	229
Merseyside	164	*34*	116	249	309	94	*17*	64	140	154
West Midlands	175	65	111	229	429	123	26	69	190	215
Greater London	209	84	156	263	396	145	39	107	205	201

Table CVII. Suicide, death rates per million living, by sex and age, and Standardised Mortality Ratios by sex, 1901 to 1962, England and Wales

	All ages	0–	10–	15–	20–	25–	35–	45–	55–	65–	75 and over	S.M.R.* (1950–52 = 100)
Males												
1901–10 ..	157	*1*	4	36	91	152	252	397	523	508	382	**170**
1911–20 ..	130	—	3	32	69	122	196	278	389	405	350	**138**
1921–30 ..	166	—	2	31	78	111	211	346	487	513	438	**149**
1931–35 ..	196	*0*	*2*	40	96	140	210	379	542	533	483	**163**
1936–40 ..	172	—	*2*	32	89	118	177	284	462	477	466	**113**
1941–45 ..	126	—	3	43	72	100	128	185	271	347	382	**93**
1946 ..	138	—	*5*	31	49	94	154	200	300	391	465	**103**
1947 ..	136	—	*3*	35	59	94	123	209	314	382	480	**100**
1948 ..	144	—	*2*	29	74	86	134	219	338	469	388	**108**
1949 ..	144	—	*1*	32	60	80	134	236	334	422	490	**109**
1950 ..	136	—	*1*	30	60	70	122	222	323	416	421	**102**
1951 ..	135	—	*6*	24	53	78	120	213	303	410	477	**100**
1952 ..	132	—	*1*	34	55	78	120	198	320	389	413	**98**
1953 ..	142	—	*1*	28	67	89	126	222	325	411	480	**106**
1954 ..	149	—	*3*	26	59	93	145	235	340	430	439	**110**
1955 ..	143	—	*4*	26	54	97	130	213	322	422	463	**105**
1956 ..	149	—	*2*	25	65	94	130	221	350	426	490	**109**
1957 ..	146	—	*2*	27	60	94	135	217	344	404	475	**107**
1958 ..	146	—	*2*	28	64	104	147	219	329	366	457	**106**
1959 ..	142	—	*2*	29	54	105	135	206	316	417	406	**104**
1960 ..	139	—	*2*	30	86	115	139	200	308	329	384	**101**
1961 ..	135	—	*1*	34	71	108	147	203	283	331	388	**98**
1962 ..	144	—	*3*	35	102	110	162	213	282	350	441	**105**
Females												
1901–10 ..	49	—	3	34	45	56	81	109	108	88	49	**103**
1911–20 ..	47	—	2	30	41	50	74	100	102	81	52	**92**
1921–30 ..	63	—	*1*	25	43	57	87	135	143	108	63	**110**
1931–35 ..	80	—	*0*	23	49	77	108	154	166	134	84	**129**
1936–40 ..	79	—	*1*	14	38	65	99	155	169	142	89	**122**
1941–45 ..	62	—	*1*	9	22	52	77	108	128	117	73	**91**
1946 ..	74	—	*1*	15	26	53	87	135	157	146	92	**108**
1947 ..	76	—	—	*10*	28	51	80	134	160	166	114	**110**
1948 ..	78	—	—	*11*	20	50	80	141	183	173	98	**113**
1949 ..	75	—	*1*	15	26	45	77	127	165	165	138	**109**
1950 ..	70	—	*1*	*10*	23	34	75	124	157	153	115	**101**
1951 ..	72	—	—	*9*	20	38	66	135	160	167	105	**103**
1952 ..	68	—	*1*	*11*	*12*	35	66	118	154	164	97	**97**
1953 ..	76	—	*3*	*10*	22	39	79	127	167	171	127	**108**
1954 ..	81	—	—	*12*	23	52	77	135	167	198	130	**115**
1955 ..	84	—	*1*	7	19	45	75	148	190	201	126	**119**
1956 ..	90	—	*1*	*11*	27	49	71	156	203	217	141	**126**
1957 ..	92	—	*1*	*12*	30	47	80	145	214	230	136	**129**
1958 ..	91	—	—	*13*	33	50	83	151	190	208	162	**127**
1959 ..	89	—	*1*	14	33	50	88	140	200	195	137	**124**
1960 ..	87	—	*2*	15	38	56	86	147	180	186	119	**121**
1961 ..	91	—	*1*	14	32	55	93	157	194	192	130	**127**
1962 ..	97	—	*2*	12	36	73	90	153	210	206	151	**135**

* S.M.Rs. are based on civilian deaths and civilian populations for the years 1940–1949 inclusive.

Table CVIII. Suicide, proportions per 1,000 suicides according to external agent, by sex and age, 1958–62, England and Wales

	Males					Females				
	All ages 15 and over	15–	35–	55–	75 and over	All ages 15 and over	15–	35–	55–	75 and over
Domestic gas poisoning ..	447	475	433	438	499	518	557	477	530	574
Other poisoning	173	171	225	148	84	284	257	321	272	228
Hanging or strangulation..	145	126	135	157	158	60	45	63	62	62
Drowning	78	41	62	98	110	87	59	82	97	89
Firearms or explosives ..	59	81	54	58	52	4	10	5	2	1
Cutting and piercing instruments	34	15	26	43	55	10	5	11	9	13
Jumping from high place ..	21	25	18	23	20	18	20	16	17	29
Other agents	43	66	47	35	22	19	47	25	11	4
Total	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**
Total number of suicides ..	15,620	2,384	5,567	6,247	1,422	10,758	1,177	3,853	4,843	885

Table CIX. Accidents in the home and residential institutions, deaths and death rates per million living, by sex and age, 1962, England and Wales

		All accidents in the home and residential institutions (E870–E936)		Poisoning by utility (illuminating) gas (E890)		Burns and scalds (E916, E917)		Fall on stairs, from ladders, and from one level to another (E900–E902)		Fall on same level (E903)		Unspecified falls (E904)		Other accidents in the home and residential institutions (rem. E870–E936)	
		Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
All ages	Deaths	2,818	4,809	448	651	270	529	488	706	605	1,735	162	488	845	700
	Rate	124	200	20	27	12	22	22	29	27	72	7·2	20	37	29
0–4	Deaths	417	321	3	2	43	61	26	20	2	5	1	1	342	232
	Rate	215	174	*1·5*	*1·1*	22	33	13	11	*1·0*	*2·7*	*0·5*	*0·5*	176	126
5–14	Deaths	60	44	6	1	16	30	4	5	2	—	—	1	32	7
	Rate	17	13	*1·7*	*0·3*	*4·6*	9·1	*1·2*	*1·5*	*0·6*	—	—	*0·3*	9·2	*2·1*
15–44	Deaths	310	200	72	35	24	42	35	13	7	1	—	2	172	107
	Rate	33	22	7·7	3·8	2·6	4·5	3·7	*1·4*	*0·7*	*0·1*	—	*0·2*	18	12
45–64	Deaths	454	466	106	81	42	69	94	66	37	53	10	19	165	178
	Rate	80	75	19	13	7·4	11	16	11	6·5	8·6	*1·8*	*3·1*	29	29
65–74	Deaths	435	718	86	147	46	87	85	125	109	211	32	71	77	77
	Rate	299	336	59	69	32	41	58	59	75	99	22	33	53	36
75 and over	Deaths	1,142	3,060	175	385	99	240	244	477	448	1,465	119	394	57	99
	Rate	1,653	2,322	253	292	143	182	353	362	648	1,112	172	299	82	75

Table CX. Accidents in the home and residential institutions, deaths by month of occurrence, 1952–57 (annual average), and 1958 to 1962, England and Wales

ICD No.	Cause of death		PERSONS											
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
E870–E888	Poisoning	1952–57	17	16	18	17	16	14	15	16	14	19	14	15
		1958	18	19	25	24	11	23	21	10	15	21	21	27
		1959	27	12	21	29	25	25	17	20	19	23	20	11
		1960	33	30	35	31	30	32	20	24	24	25	24	34
		1961	33	34	29	43	21	24	14	28	24	23	26	31
		1962	42	32	31	35	34	28	40	34	33	42	43	42
E890–E895	Gas poisoning	1952–57	88	94	66	50	38	31	28	27	33	49	74	77
		1958	116	61	105	80	46	59	38	41	43	64	94	140
		1959	161	127	101	68	49	40	31	45	41	46	91	97
		1960	137	108	89	54	62	34	43	40	57	78	100	172
		1961	174	107	82	73	50	31	33	46	46	54	93	202
		1962	198	93	160	80	58	55	40	43	46	68	135	198
E900 ..	Fall on stairs	1952–57	93	79	75	60	57	48	53	58	57	66	75	94
		1958	123	78	93	71	62	53	48	56	60	54	61	85
		1959	96	98	73	52	49	49	57	57	65	59	77	86
		1960	90	66	63	66	53	57	60	49	66	56	76	122
		1961	108	75	57	47	43	48	50	52	44	68	71	93
		1962	109	81	74	52	44	56	54	42	37	57	50	100
E901 ..	Fall from ladders	1952–57	3	2	4	3	4	4	4	3	5	4	3	3
		1958	5	1	2	5	2	3	2	2	6	2	5	2
		1959	3	4	2	3	5	3	1	7	7	5	6	4
		1960	3	3	2	4	1	3	3	2	5	9	3	—
		1961	3	3	5	5	2	4	1	6	2	1	5	3
		1962	5	2	—	2	4	7	1	4	4	4	2	2
E902 ..	Other falls from one level to another ..	1952–57	39	34	35	33	33	30	33	27	28	32	28	30
		1958	31	22	38	37	24	24	33	29	36	31	28	37
		1959	37	49	45	53	45	25	25	36	29	32	35	28
		1960	35	35	29	38	26	29	27	24	21	18	22	36
		1961	39	27	23	23	25	26	23	31	30	28	30	40
		1962	43	33	32	34	32	36	33	24	36	31	29	28
E903 ..	Fall on same level	1952–57	115	118	112	88	88	89	85	90	90	98	96	108
		1958	148	131	144	134	123	103	111	119	122	131	135	166
		1959	172	211	175	132	130	121	131	119	106	134	132	162
		1960	154	203	223	138	151	132	152	136	153	169	156	178
		1961	185	186	190	131	133	157	152	135	141	136	188	224
		1962	291	194	262	217	192	157	167	134	151	166	167	237

Table CX—*continued*

ICD No.	Cause of death		PERSONS											
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
E904 ..	Unspecified falls	1952–57	155	142	154	124	118	100	102	91	102	112	117	143
		1958	172	140	158	128	161	136	85	96	67	79	104	142
		1959	144	148	146	95	103	90	79	80	73	90	94	115
		1960	124	111	93	95	94	77	76	72	78	96	78	111
		1961	138	101	96	83	85	69	64	66	73	68	62	98
		1962	94	44	49	38	38	55	46	49	49	40	65	72
E914 ..	Accident caused by electric current ..	1952–57	4	2	4	3	2	3	3	5	4	4	5	4
		1958	9	6	4	4	2	5	4	4	4	3	4	8
		1959	4	3	2	3	10	4	3	6	8	3	2	3
		1960	—	2	4	3	3	5	4	2	3	5	4	7
		1961	5	7	3	2	5	7	8	6	3	1	3	4
		1962	5	5	6	4	1	5	2	3	4	3	4	8
E916 ..	Accident caused by fire and explosion of combustible material	1952–57	83	92	66	51	30	29	24	20	21	37	47	71
		1958	86	71	96	61	33	29	25	14	15	29	33	80
		1959	122	111	69	42	44	33	22	23	17	28	49	63
		1960	81	89	84	50	34	30	15	14	24	31	48	90
		1961	92	64	63	46	38	29	22	18	23	27	61	94
		1962	113	73	98	69	45	40	26	21	26	33	72	111
E917 ..	Accident caused by hot substance, corrosive liquid, and steam	1952–57	12	11	11	10	8	9	6	5	5	8	10	8
		1958	24	11	19	10	8	9	2	7	5	5	9	11
		1959	11	14	7	5	11	8	6	4	4	7	6	14
		1960	7	10	7	8	7	6	1	3	2	3	6	10
		1961	15	7	6	2	5	2	4	8	6	7	6	8
		1962	13	2	9	4	3	5	5	3	8	8	11	8
E921 ..	Inhalation and ingestion of food causing obstruction or suffocation	1952–57	38	32	39	31	25	20	21	16	22	29	26	36
		1958	37	25	38	36	32	16	18	17	22	32	27	29
		1959	31	34	31	33	15	21	18	19	14	17	34	41
		1960	34	34	22	28	33	17	29	26	32	21	25	42
		1961	34	37	39	31	28	27	14	26	34	34	38	44
		1962	27	33	57	37	35	33	28	20	33	42	43	54
E924 ..	Accidental mechanical suffocation in bed and cradle	1952–57	23	18	19	16	17	16	14	15	13	16	18	20
		1958	18	20	25	15	10	10	8	11	8	13	25	15
		1959	18	13	11	8	10	11	6	8	13	10	9	19
		1960	17	11	11	7	15	10	10	12	4	8	10	15
		1961	8	11	4	10	10	11	12	9	9	12	9	21
		1962	15	20	20	13	13	10	8	9	13	8	17	11
E929 ..	Drowning and submersion	1952–57	3	3	5	6	6	9	5	6	6	5	4	4
		1958	5	5	8	10	9	6	2	3	6	6	5	2
		1959	5	6	5	3	3	5	6	7	6	3	6	2
		1960	5	3	7	5	5	8	5	8	5	2	5	7
		1961	4	2	6	4	6	4	6	8	5	3	6	4
		1962	6	3	6	3	6	13	7	4	4	7	11	7

Rem. E870–E936	All other accidents	1952–57	28	43	22	22	20	18	17	19	16	14	14	14
		1958	22	31	19	21	17	26	20	14	17	24	19	27
		1959	21	24	19	15	17	28	20	28	17	19	12	35
		1960	19	22	20	29	26	27	25	23	30	28	21	20
		1961	15	23	19	29	30	21	15	19	26	16	25	23
		1962	29	30	37	26	19	28	32	19	17	20	22	23
E870–E936	**All accidents in the home and residential institutions .. ..**	**1952–57**	**700**	**687**	**629**	**515**	**462**	**420**	**409**	**398**	**416**	**495**	**532**	**627**
		1958	814	621	774	636	540	502	417	423	426	494	570	771
		1959	852	854	707	541	516	463	422	459	419	476	573	680
		1960	739	727	689	556	540	467	470	435	504	549	578	844
		1961	853	684	622	529	481	460	418	458	466	478	623	889
		1962	990	645	841	614	524	528	489	409	461	529	671	901

Table CXI. Accidents in the home and residential institutions, deaths by cause and sex at age 65 and over, 1962, England and Wales

ICD No.	Cause of death	Home			Residential institutions		
		Males	Females	Persons	Males	Females	Persons
E870–E888	**Accidental poisoning by solid and liquid substances**	**35**	**61**	**96**	**—**	**—**	**—**
E871	Accidental poisoning by barbituric acid and derivatives	28	44	72	—	—	—
E883	Accidental poisoning by corrosive aromatics, acids, and caustic alkalis	3	1	4	—	—	—
Rem. E870–E888	Accidental poisoning by other solid and liquid substances	4	16	20	—	—	—
E890–E895	**Accidental poisoning by gases and vapours**	**274**	**540**	**814**	**3**	**2**	**5**
E890	Accidental poisoning by utility (illuminating) gas	258	530	788	3	2	5
Rem. E890–E895	Accidental poisoning by other gases and vapours	16	10	26	—	—	—
E900–E904	**Accidental falls**	**779**	**2,115**	**2,894**	**258**	**628**	**886**
E900	Fall on stairs	206	380	586	9	19	28
E901	Fall from ladders	18	11	29	—	—	—
E902	Other falls from one level to another	58	119	177	38	73	111
E903	Fall on same level	369	1,201	1,570	188	475	663
E904	Unspecified falls	128	404	532	23	61	84
E910–E936	**Other accidents**	**193**	**388**	**581**	**35**	**44**	**79**
E916	Accident caused by fire and explosion of combustible material	118	290	408	12	8	20
E917	Accident caused by hot substance, corrosive liquid, and steam	14	27	41	1	2	3
E921	Inhalation and ingestion of food causing obstruction or suffocation	25	13	38	16	22	38
E929	Accidental drowning and submersion	8	15	23	1	2	3
Rem. E910–E936	Remainder of other accidents	28	43	71	5	10	15
E870–E936	**All accidents in the home and residential institutions**	**1,281**	**3,104**	**4,385**	**296**	**674**	**970**

Table CXII. Accidents in the home and residential institutions, deaths by cause, sex, and age, 1962, England and Wales

ICD No.	Cause of death		All ages	0–	5–	15–	45–	65–	75 and over
E870–E888	Accidental poisoning by solid and liquid substances	M	196	19	—	59	83	28	7
		F	244	9	—	56	118	38	23
E871	Accidental poisoning by barbituric acid and derivatives	M	138	1	—	40	69	22	6
		F	182	2	—	43	93	28	16
E872	Accidental poisoning by aspirin and salicylates	M	11	5	—	1	3	2	—
		F	22	3	—	3	5	6	5
E890–E895	Accidental poisoning by gases and vapours	M	500	7	8	89	119	95	182
		F	679	3	1	44	89	154	388
E900	Fall on stairs	M	301	4	—	20	62	55	160
		F	463	5	1	10	48	97	302
E901	Fall from ladders	M	25	—	—	—	7	8	10
		F	12	—	—	1	—	5	6
E902	Other falls from one level to another	M	162	22	4	15	25	22	74
		F	231	15	4	2	18	23	169
E903	Fall on same level	M	605	2	2	7	37	109	448
		F	1,735	5	—	1	53	211	1,465
E904	Unspecified falls	M	162	1	—	—	10	32	119
		F	488	1	1	2	19	71	394
E914	Accident caused by electric current	M	31	3	4	14	7	1	2
		F	18	1	2	6	6	—	3
E916	Accident caused by fire and explosion of combustible material	M	237	32	15	23	37	40	90
		F	485	50	30	41	66	82	216
	Burns by clothing	M	49	3	5	2	8	6	25
		F	263	25	25	19	28	44	122
	from domestic fire (open)	M	12	1	1	—	1	2	7
		F	80	7	14	8	11	12	23
	gas fire, stove, etc.	M	6	—	1	—	3	—	2
		F	22	—	2	—	4	3	13
	electric fire	M	5	—	—	—	—	—	5
		F	65	2	5	4	5	12	37
	other specified	M	23	1	3	2	3	4	10
		F	54	8	4	6	3	10	23
	not specified	M	3	1	—	—	1	—	1
		F	42	8	—	1	5	7	21
	Burns by falling into fire	M	32	—	—	—	1	9	22
		F	40	—	1	—	6	5	28
	Burns by conflagration	M	87	25	8	13	12	11	18
		F	83	14	3	15	20	8	23
	Burns by other specified means	M	68	4	2	8	16	14	24
		F	95	11	1	7	11	22	43
	Burns by means not specified	M	1	—	—	—	—	—	1
		F	4	—	—	—	1	3	—
E917	Accident caused by hot substance, corrosive liquid, and steam	M	33	11	1	1	5	6	9
		F	44	11	—	1	3	5	24
E921	Inhalation and ingestion of food causing obstruction or suffocation	M	242	135	5	32	29	22	19
		F	194	118	2	16	23	15	20
E924	Accidental mechanical suffocation in bed and cradle	M	93	90	—	2	1	—	—
		F	70	62	—	3	2	1	2
E929	Accidental drowning and submersion	M	35	17	—	—	9	3	6
		F	41	8	1	6	9	3	14
Rem. E870–E936	Other accidents	M	196	74	21	48	23	14	16
		F	105	33	2	11	12	13	34
E870–E936	**All accidents in the home and residential institutions**	M	2,818	417	60	310	454	435	1,142
		F	4,809	321	44	200	466	718	3,060

Table CXIII. Accidental falls, death rates per million living, by sex and age, and Standardised Mortality Ratios by sex, 1901 to 1962, England and Wales

	All ages	0–	10–	15–	20–	25–	35–	45–	55–	65–	75 and over	S.M.R.* (1950–52 = 100)
Males												
1901–10	84	45	25	23	24	39	69	119	209	420	1,253	169
1911–20	107	38	30	39	36	56	93	155	254	454	1,373	213
1921–30	85	25	18	31	31	37	56	93	161	352	1,306	146
1931–35	93	25	18	31	33	37	47	79	146	338	1,609	146
1936–40	120	31	24	34	40	51	58	95	177	414	1,910	178
1941–45	109	35	26	40	30	41	58	87	157	337	1,448	156
1946	86	27	21	25	26	30	43	57	107	245	1,203	115
1947	97	31	26	33	42	36	50	68	108	254	1,352	126
1948	80	27	22	22	27	37	41	49	85	211	1,122	104
1949	78	20	18	28	31	33	38	57	68	185	1,162	100
1950	74	14	18	19	25	29	34	50	71	183	1,139	93
1951	86	17	17	17	34	35	40	51	85	241	1,275	108
1952	79	16	17	23	30	30	30	47	78	221	1,169	99
1953	84	14	*10*	22	29	30	33	52	80	246	1,254	104
1954	99	11	*9*	20	23	27	39	52	86	280	1,659	122
1955	94	14	16	*13*	25	28	38	44	85	248	1,574	115
1956	99	9	15	16	31	25	34	45	77	281	1,698	120
1957	92	15	13	20	21	23	29	47	78	262	1,491	111
1958	92	14	*10*	15	27	28	32	41	82	232	1,561	112
1959	96	15	11	17	21	27	34	46	87	259	1,588	116
1960	86	12	17	22	23	22	29	48	78	207	1,417	104
1961	85	17	*10*	15	22	22	31	43	78	215	1,377	102
1962	89	14	20	23	33	21	29	44	78	216	1,483	103
Females												
1901–10	68	27	6	4	4	10	26	64	132	389	1,657	143
1911–20	69	20	6	5	5	8	20	50	108	356	1,752	132
1921–30	73	13	4	4	4	5	10	31	85	318	1,845	117
1931–35	100	14	5	3	3	6	8	30	92	388	2,283	138
1936–40	136	18	6	4	5	6	12	34	123	476	2,714	167
1941–45	118	17	8	5	6	6	11	26	81	346	2,135	127
1946	110	15	*4*	*3*	*5*	*6*	6	11	59	260	2,037	110
1947	111	11	*7*	*9*	*4*	*4*	*5*	15	58	286	1,947	108
1948	100	11	*4*	*4*	*4*	*3*	*4*	18	51	231	1,726	94
1949	105	10	*6*	*3*	*2*	*2*	*4*	13	50	232	1,840	98
1950	113	8	*2*	*2*	*1*	*3*	*5*	14	45	230	1,994	103
1951	117	9	—	*2*	*5*	*3*	*3*	12	46	240	2,034	105
1952	105	9	*2*	*2*	*5*	*2*	*5*	11	44	218	1,743	92
1953	123	7	*4*	*2*	*2*	*4*	*5*	15	50	241	2,018	106
1954	141	6	*3*	*3*	*1*	*3*	*5*	13	45	295	2,249	118
1955	144	8	*3*	*2*	—	*2*	6	15	50	281	2,261	118
1956	149	8	*3*	*2*	*4*	*2*	*5*	13	50	275	2,338	120
1957	142	9	*2*	*1*	*2*	*2*	*5*	14	40	250	2,178	111
1958	149	*6*	*2*	—	*3*	*1*	*5*	12	41	273	2,247	115
1959	151	12	*3*	*1*	*1*	*4*	*5*	12	46	259	2,234	115
1960	150	8	*2*	*3*	*3*	*2*	*6*	14	46	256	2,190	113
1961	146	9	*1*	*1*	*3*	*3*	7	13	45	255	2,090	109
1962	145	12	*2*	*1*	*1*	*1*	*4*	15	47	233	2,051	107

* S.M.R.s are based on civilian deaths and civilian populations for the years 1940–1949 inclusive.

Table CXIV. Accidental deaths, deaths, infant mortality rates per 1,000 live births, and death rates per million living at all ages and ages over one year, by sex and age, 1962, England and Wales

Cause of death (and ICD No.)		Rate per million living (All ages)	Deaths										
			All ages	0–	1–	5–	10–14	Total under 15	15–	25–	45–	65 and over	Total aged 15 and over
Home accidents*:													
Coal gas poisoning (E890)	M	20	448	1	2	2	4	9	27	45	106	261	439
	F	27	651	—	2	—	1	3	7	28	81	532	648
Other poisoning (E870–E888, E891–E895)	M	11	248	4	19	1	1	25	9	67	96	51	223
	F	11	272	—	10	—	—	10	8	57	126	71	262
Falls (E900–E904)	M	55	1,255	10	19	4	2	35	6	36	141	1,037	1,220
	F	122	2,929	8	18	5	1	32	2	14	138	2,743	2,897
Burns and scalds (E916, E917)	M	12	270	7	36	10	6	59	3	21	42	145	211
	F	22	529	13	48	22	8	91	16	26	69	327	438
Choking and suffocation (E921, E922, E924, E925)	M	17	382	220	36	5	2	263	6	38	33	42	119
	F	12	283	176	19	2	—	197	6	16	26	38	86
Other (Remainder of E870–E936)	M	9	215	28	35	6	17	86	24	28	36	41	129
	F	6	145	14	13	3	2	32	10	10	26	67	113
Total home accidents (E870–E936)	M	**124**	**2,818**	**270**	**147**	**28**	**32**	477	**75**	**235**	**454**	1,577	2,341
	F	**200**	**4,809**	**211**	**110**	**32**	**12**	365	**49**	**151**	**466**	3,778	4,444
Transport accidents:													
Motor vehicle road accidents involving injury to:—													
Motor cyclist† (E814, E815, E821)	M	53	1,190	2	—	—	2	4	702	260	194	30	1,186
	F	4	93	1	—	1	5	7	54	15	16	1	86
Pedal cyclist (E813)	M	18	412	—	6	21	69	96	68	42	138	68	316
	F	3	68	—	2	4	8	14	14	12	24	4	54
Pedestrian (E812)	M	63	1,421	—	108	127	44	279	73	130	303	636	1,142
	F	45	1,076	—	69	62	33	164	25	43	214	630	912
Occupant of motor vehicle (Remainder of E810–E825)	M	63	1,428	5	8	11	17	41	414	494	354	125	1,387
	F	23	542	2	10	10	12	34	102	128	164	114	508
Other road accidents, involving injury to:—													
Pedal cyclist (E843)	M	3	77	—	—	4	7	11	12	12	30	12	66
	F	0	9	—	—	—	1	1	1	1	4	2	8
Pedestrian (E840–E842, E844)	M	1	15	—	—	1	—	1	—	1	1	12	14
	F	1	24	—	—	—	—	—	—	—	7	17	24

Table CXIV—*continued*

Cause of death (and ICD No.)		Rate per million living (All ages)	Deaths										
			All ages	0–	1–	5–	10–14	Total under 15	15–	25–	45–	65 and over	Total aged 15 and over
All other transport accidents:— including rail, air, water (Remainder of E800–E866)	M	23	519	1	10	7	17	35	100	168	180	36	484
	F	2	54	—	3	2	2	7	15	15	15	2	47
Total transport accidents (E800–E866)	M	**223**	**5,062**	**8**	**132**	**171**	**156**	**467**	**1,369**	**1,107**	**1,200**	**919**	**4,595**
	F	**78**	**1,866**	**3**	**84**	**79**	**61**	**227**	**211**	**214**	**444**	**770**	**1,639**
Other accidents:													
Poisonings (E870–E895)	M	6	126	—	1	—	—	1	15	40	50	20	125
	F	4	86	—	2	—	1	3	4	20	32	27	83
Falls (E900–E904)	M	33	751	4	4	10	33	51	83	117	198	302	700
	F	23	561	—	3	7	3	13	1	4	46	497	548
Burns (E916, E917)	M	4	91	1	1	2	1	5	17	31	35	3	86
	F	1	17	1	—	1	—	2	1	4	2	8	15
Drowning (E929)	M	25	556	1	70	71	40	182	72	77	116	109	374
	F	6	146	1	13	7	7	28	7	21	44	46	118
Other (Remainder of E870–E936)	M	38	861	25	8	14	39	86	136	268	302	69	775
	F	4	97	20	7	4	2	33	4	15	17	28	64
Total other accidents (E870–E936)	M	**105**	**2,385**	**31**	**84**	**97**	**113**	**325**	**323**	**533**	**701**	**503**	**2,060**
	F	**38**	**907**	**22**	**25**	**19**	**13**	**79**	**17**	**64**	**141**	**606**	**828**
Total all accidents (E800–E936)	M	**453**	**10,265**	**309**	**363**	**296**	**301**	**1,269**	**1,767**	**1,875**	**2,355**	**2,999**	**8,996**
	F	**316**	**7,582**	**236**	**219**	**130**	**86**	**671**	**277**	**429**	**1,051**	**5,154**	**6,911**
All accidents (E800–E936) Infant mortality rate and death rate per million living	M	453		0·72	237	174	170	234	544	306	413	1,396	522
	F	316		0·58	151	81	51	130	87	71	170	1,492	366

* Including deaths in residential institutions.

† Including passengers.

INFECTIOUS HEPATITIS

In the ten years 1953–62 there were 2,780 deaths assigned to infectious hepatitis (ICD No. 092) in England and Wales, the annual average death rate being 5·5 per million for males and 6·8 for females. There was no evidence of epidemic fluctuation in this period, the number of deaths in a single year varying from 245 in 1958 to 308 in 1960, although outbreaks have been reported from some areas.

Table CXV. Infectious hepatitis, deaths, death rates per million living and infant mortality rates per 100,000 live births, by sex and age, 1953–1962, England and Wales

	All ages	0–	1–	5–	15–	25–	45–	55–	65–	75 and over
Males										
Deaths	1,189	45	67	94	51	187	197	192	195	161
Rates	5·5	1·2	4·8	2·7	1·8	3·0	6·3	8·3	13·9	24·1
Females										
Deaths	1,591	13	49	97	82	278	263	277	282	250
Rates	6·8	*0·4*	3·7	2·9	2·8	4·5	8·1	10·0	13·9	21·0

The table above shows that the mortality from this condition has been three times greater in male infants (1·2 deaths per 100,000 live births) than in female infants (0·4 deaths per 100,000 live births), this difference being statistically significant ($P < \cdot 01$). Whether this is due to a higher incidence in baby boys or a higher case fatality is not clear. It is also evident that the death rate rises steeply with increasing age after middle age and that it is moderately high in young children aged 1–4 years and in women of the child-bearing years.

Table CXVI. Infectious hepatitis, average annual death rates per million living by regions, 1953–1962, England and Wales

Region	Death rate
North Western	7·2
London and South Eastern	7·0
Northern	6·4
South Western	6·3
North Midland	5·8
East and West Ridings	5·7
Eastern	5·6
Wales II	5·5
Wales I	5·3
Southern	5·2
Midland	4·5

The highest rates were found to be in the North Western and London and South Eastern regions and the lowest in the Midlands region. No gradient is evident in the death rates from this disease on passing from north to south or east to west.

The mortality due to infectious hepatitis in the years 1953–62 has been higher in the conurbations than in other types of area as the following figures show:

	Average annual death rate per million for both sexes
Conurbations	6·8
Areas outside conurbations:	
Urban areas with populations of 100,000 and over	4·9
Urban areas with populations of 50,000 and under 100,000	5·9
Urban areas with populations under 50,000	6·2
Rural districts	5·8

Of the separate conurbations Merseyside, Greater London and Tyneside had the highest death rates and West Midlands the lowest. The difference between the rate of 8·7 per million in Merseyside and 4·6 in the West Midlands is statistically significant ($P < \cdot 01$). This may be due to the West Midlands conurbation being less exposed to visitors and traffic from overseas, as a high incidence of infectious hepatitis has been reported from several European countries.

Table CXVII. Infectious hepatitis, average annual death rates per million living by conurbations, 1953–1962, England and Wales

Conurbation	Death rate
Merseyside	8·7
Greater London	7·1
Tyneside	7·0
West Yorkshire	6·7
South East Lancashire	6·6
West Midlands	4·6

Incidence of infectious hepatitis

Where cases of infectious hepatitis are notified, as in Australia, New Zealand, and part of the Eastern Region of England, the case fatality has ranged from less than 1 per cent to 2 per cent. By applying these figures to the mortality in England and Wales it can be estimated that on the average 14,000 to 28,000 cases may occur each year. Although no age is exempt, judging by the experience in East Anglia (1953–1961) one-third of the cases are children aged 5–9 years.

Homologous serum jaundice

In the four years 1959–62 there were 12 deaths with mention of homologous serum jaundice on the death certificate. In one case the age was 3 months, the others ranging from 18 to 72 years. The liver pathology was described as

cirrhosis in two cases, as an acute necrosis or yellow atrophy in a further three, and was not specified in the remaining seven. The source of infection was indicated in seven cases, six of whom had had blood transfusions or plasma, and one arsenical injections for syphilis.

Recent investigations in Bristol (P. W. Bothwell *et al*)[1] and Lancashire (J. H. M. Tilley)[2] into the history of previous injections in patients notified as having infectious hepatitis revealed that the number of cases of homologous serum jaundice wrongly notified as infectious hepatitis is likely to be very small. As homologous serum jaundice is itself comparatively rare, however, even a few such errors occurring where the source of infection is equivocal could lead to appreciable underestimation of the mortality from this disease.

[1]Bothwell, P. W. *et al* (1963). *Brit. Med. J. 2, 1613.*
[2]Tilley, J. H. M. (1960) *Brit. Med. J. 2, 1354.*

CANCER OF THE LUNG AND BRONCHUS

Recent trends in mortality from lung cancer

In the 1957 Commentary the mortality rates for cancer of the lung and bronchus for males in five year age-groups under 50 years of age were shown to have been relatively stable throughout the years 1951–57. From 1956 to 1962 (Table CXVIII) this was true for all age-groups up to 60 years, while for males aged 60–64 years the increase in this period was only about 25 per cent compared with 50 per cent in the former period. In males between 65 and 80 years of age the percentage increase was also reduced to almost half of that manifest in 1951–57.

The accuracy of certification might well affect the recorded lung cancer mortality and in particular the trends shown by it. In a recent investigation[1] conducted by 75 hospitals of the National Health Service and the General Register Office 18 per cent more cases were assigned to lung cancer after autopsy than before. Improvement in diagnostic standards, the tendency to do more post-mortems on younger patients, and the difficulty of selecting the underlying cause of death from several competing causes in many elderly patients are some factors affecting the estimation of lung cancer mortality and its trends.

Estimation of future trends

It is well known that the interval between the first exposure to a carcinogenic agent and the appearance of symptoms of malignant disease may be of many years' duration. For this reason tables or figures which show the death rates at various ages of generations born in the same period and therefore exposed to changes in the social environment at roughly the same age, may be more obviously related to the widespread adoption of certain habits or customs. Each curve in Diagram 6 represents, on a logarithmic scale, mortality rates for cancer of the lung (ICD Nos. 162 and 163) in five year age-groups for successive cohorts of males born in England and Wales around the central years shown. In Diagram 7 the female death rates are represented in a similar manner.

The curves for male cohorts born after 1901 are almost coincident indicating that the incidence of lung cancer has increased much more slowly, if at all, in the more recent generations. It is the increasing death rate due to this disease in the elderly survivors of previous cohorts that accounts at present for the rising trend in lung cancer mortality in recent years in England and Wales.

Unless the curves for the generations born around 1906, 1911 and 1916 diverge at the older ages it is to be expected that the overall death rate from lung cancer in males should rise more and more slowly in the future and become relatively stable by about the mid-1970's. This forecast, like most demographic predictions, is only tentative and liable to be upset by unforeseen future happenings or unsuspected trends already at work. At the moment, however, there is no indication that the death rates of successive generations are diverging in the older age-groups but rather that they are converging as can be seen from the diagrams. It appears probable therefore that, if anything, the rate will stabilize before rather than after 1975.

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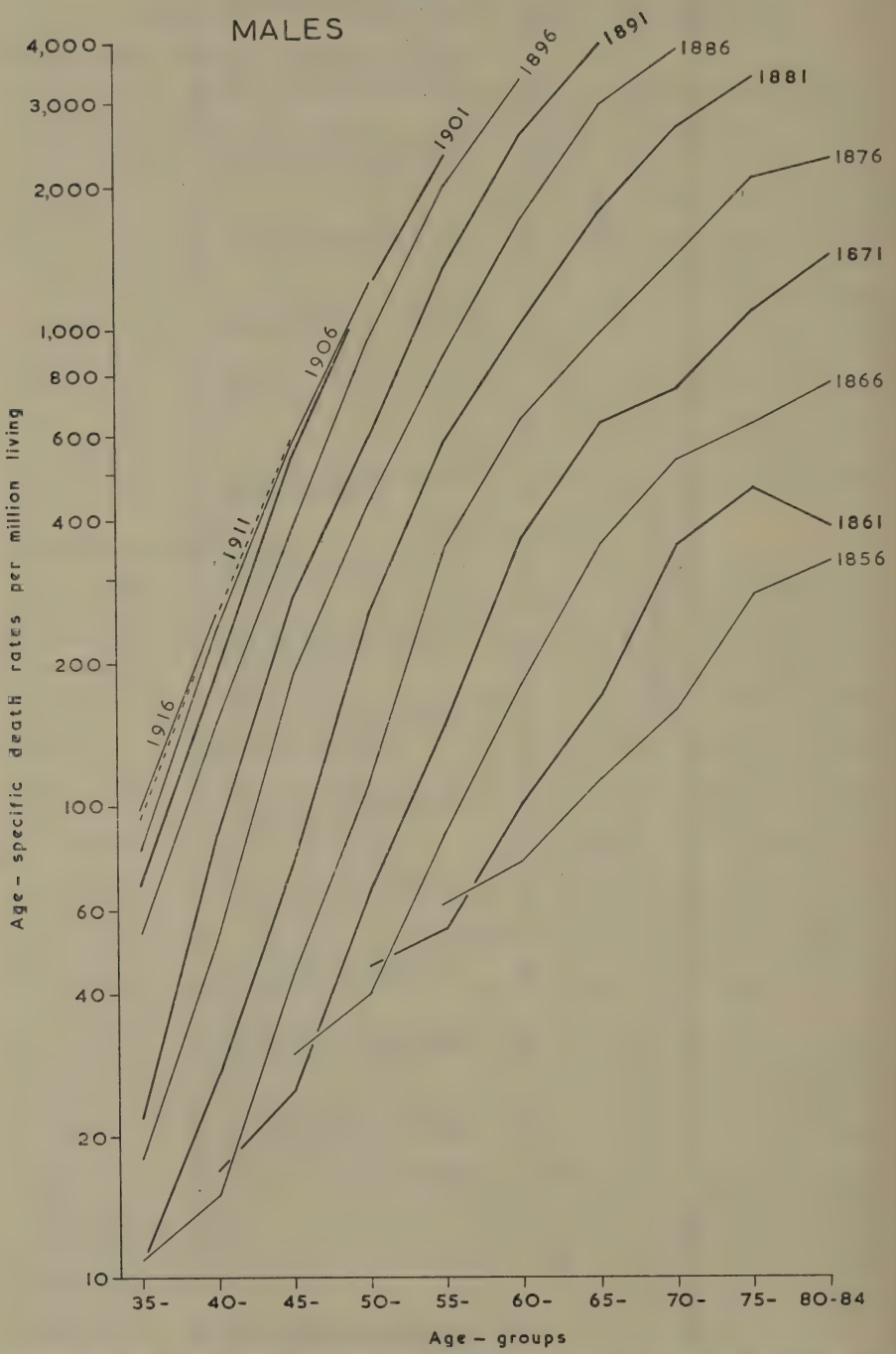
[1]Heasman, M.A. 1962. *Proc. Roy. Soc. Med.* 55, 733

Table CXVIII. Cancer of lung and bronchus (ICD Nos. 162, 163), death rates per million living, by sex and age, 1955 to 1962, England and Wales

Age	Males								Females							
	1955	1956	1957	1958	1959	1960	1961	1962	1955	1956	1957	1958	1959	1960	1961	1962
30–	33	39	29	35	36	39	34	37	14	16	12	16	17	12	12	14
35–	84	90	103	86	100	87	96	98	27	29	28	30	33	34	38	33
40–	256	249	236	256	283	238	235	221	49	50	51	68	62	73	66	67
45–	584	616	589	597	576	581	552	555	92	86	113	93	113	115	130	123
50–	1,236	1,245	1,262	1,251	1,261	1,226	1,234	1,235	150	159	153	178	181	177	187	199
55–	2,221	2,301	2,333	2,230	2,389	2,339	2,294	2,344	229	217	246	249	254	240	281	295
60–	2,929	3,031	3,226	3,278	3,454	3,583	3,633	3,709	297	323	319	312	324	368	371	413
65–	3,352	3,570	3,668	3,999	4,127	4,276	4,440	4,558	371	361	350	391	376	424	457	460
70–	3,255	3,344	3,646	3,820	4,232	4,370	4,561	4,891	414	432	438	413	454	495	508	510
75–	2,579	2,811	2,949	3,309	3,615	3,997	4,018	4,229	405	463	471	478	488	541	529	582
80–	1,672	1,798	2,071	2,291	2,406	2,711	3,040	3,075	438	412	485	451	432	475	551	565
85 and over ..	1,000	1,288	1,384	1,182	1,378	1,862	1,891	1,891	275	428	364	404	368	399	502	420

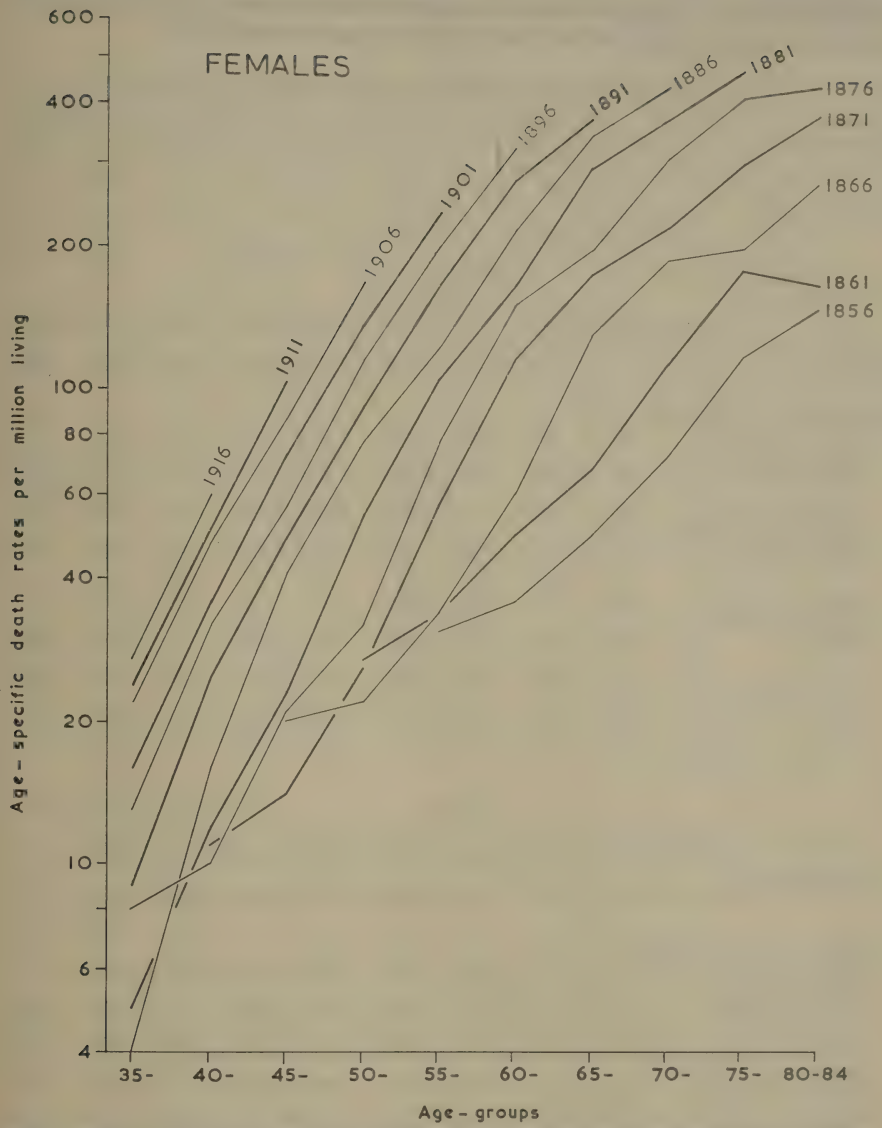
It is too soon to make any definite predictions for lung cancer in females but there is, as yet, no sign of the slackening in the rate of increase that has occurred in males.

Diagram 6



Cancer of the lung, males: cohort analysis of age specific death rates, showing year around which each cohort was born, England and Wales

Diagram 7



Cancer of the lung, females: cohort analysis of age specific death rates, showing year around which each cohort was born, England and Wales

Table CXIX. Cancer of lung and bronchus (ICD Nos. 162, 163), death rates per million living, by sex and age-groups, in conurbations and urban and rural aggregates outside the conurbations, 1953–57 and 1958–62, England and Wales

		25–44		45–64		65–74		75 and over	
		M	F	M	F	M	F	M	F
1953–1957									
Conurbations	Deaths (a)	1,493	393	18,745	2,540	10,100	1,799	3,078	1,157
	Rates (b)	122	31	1,866	220	4,172	490	2,915	585
Areas outside conurbations:									
Urban areas with populations of 100,000 and over	(a)	448	118	5,906	698	3,143	471	931	257
	(b)	109	28	1,707	179	3,559	366	2,339	368
Urban areas with population of 50,000 and under 100,000	(a)	211	49	2,961	384	1,718	289	507	165
	(b)	90	20	1,489	168	3,223	361	1,965	347
Urban areas with populations under 50,000	(a)	549	138	7,824	975	4,423	663	1,353	432
	(b)	84	20	1,367	151	2,757	297	1,719	330
Rural districts	(a)	376	100	5,721	777	3,111	539	1,079	326
	(b)	63	17	1,132	146	2,111	294	1,423	297
1958–1962									
Conurbations	(a)	1,336	423	21,712	3,038	12,707	2,081	4,702	1,470
	(b)	116	36	2,081	260	5,264	550	4,346	667
Areas outside conurbations:									
Urban areas with populations of 100,000 and over	(a)	387	106	6,961	924	4,431	590	1,525	398
	(b)	98	27	1,908	230	4,956	437	3,692	504
Urban areas with populations of 50,000 and under 100,000	(a)	244	63	3,874	553	2,499	409	886	244
	(b)	102	26	1,755	223	4,377	464	3,187	435
Urban areas with populations under 50,000	(a)	539	176	9,501	1,306	6,291	848	2,230	590
	(b)	83	27	1,530	191	3,767	353	2,652	392
Rural districts	(a)	436	157	7,096	1,050	4,759	717	1,673	461
	(b)	74	28	1,280	184	3,074	361	2,063	362

Table CXX. Cancer of lung and bronchus (ICD Nos. 162 and 163), increase in death rates in various age-groups in conurbations and urban and rural aggregates outside the conurbations in England and Wales

Ratio of mortality in period 1958–1962 to that in 1953–1957

Age	Conurbations	Areas outside conurbations			
		Urban areas			Rural Districts
		Populations of 100,000 and over	Populations of 50,000 and under 100,000	Populations under 50,000	
		Males			
75 and over	1·49	1·58	1·62	1·54	1·45
65–74	1·26	1·39	1·36	1·37	1·46
45–64	1·12	1·12	1·18	1·12	1·13
25–44	0·95	0·90	1·13	0·99	1·17
		Females			
75 and over	1·14	1·37	1·25	1·19	1·22
65–74	1·12	1·19	1·29	1·19	1·23
45–64	1·18	1·28	1·33	1·26	1·26
25–44	1·16	0·96	1·30	1·35	1·65

Geographical variations

In Table CXIX the number of deaths and average annual death rates due to lung cancer by sex and age-group in the conurbations and urban and rural aggregates of England and Wales are shown for the two periods 1953–1957 and 1958–1962.

In the rural areas, where the male death rate for lung cancer is comparatively low, the proportional increase in the Standardised Mortality Ratio for this disease has been greater in recent years than in the urban areas. This may give rise to the impression that the trend in the rural areas follows that of the urban areas of some years previously, possibly because of the later spread of cigarette smoking in the rural areas, or because many of those living in these areas are now subject to urban conditions of air pollution. Table CXX, which compares the proportional increase in mortality from this disease in the consecutive five year periods of 1953–57 and 1958–62 by age and type of area, shows that this is not evident in males aged 45–64, where there has been the same increase of about 12 per cent in all types of area in the second period, apart from that in urban areas in the population range 50,000–100,000 where it was 18 per cent. It would appear, therefore, that for this male age-group the death rate for lung cancer in the rural areas and the smaller towns is becoming stable as rapidly as that in the conurbations, and at a lower level. As the mortality due to this condition, for all age-groups combined, in the early 1970's will be heavily

weighted by the experience of those who are aged 45–64 at present, it seems reasonable to assume that the lung cancer death rate for males in rural areas will remain less than that of the conurbations for some time.

In older males aged 65–74, on the other hand, the increase was almost twice as large in the rural areas as in the conurbations. This difference is statistically significant ($P < \cdot 01$) and accounts for much of the rise in rural mortality due to lung cancer shown by the Standardised Mortality Ratio, which is calculated over all ages.

For males aged less than 45, the greatest increase (17 per cent) in the lung cancer death rate occurred in the rural areas. This compares with a decrease of 5 per cent in the conurbations where the trend was significantly different ($P < \cdot 05$). Though the death rate due to this condition is low at these ages, this difference indicates the existence of a special factor operating in rural areas, possibly a spread of the smoking habit, and it will be necessary to watch the trend in this type of area among younger males.

A possible explanation of the above results is that men from rural districts became relatively heavy smokers during the 1914–18 war, the subsequent generation who escaped the war smoked less, and the very recent generations have now begun to show the effects of the general increase in cigarette smoking that has taken place in the last 30 years.

For females in the smaller towns and rural areas the greatest increase in lung cancer mortality over the two periods 1953–57 and 1958–62 occurred in the younger age-groups. In the larger towns of over 100,000 population, where the increase was 37 per cent in females over 75 years of age, the reverse held true, while in the conurbations all age-groups showed a 12–18 per cent greater lung cancer death rate in 1958–62 than in 1953–57.

As in the case of males aged 25–44, females of this age-group showed a significantly greater increase in the rural areas than in the conurbations ($P < \cdot 05$) and here again the possibility of a recent increase in cigarette smoking or some other factor operative in the rural areas might be considered.

The position in the six conurbations during the period 1958–62 is shown in Tables CXXI and CXXII. It is seen that for males in the younger age-groups lung cancer mortality was greater in Tyneside, South East Lancashire, Merseyside and West Midlands than it was in Greater London, but that this position tended to be reversed in older males. Merseyside and Tyneside had the highest rates for males below 65 years of age and the former also showed the highest rate for those aged 65–74.

In females the lung cancer mortality in the same period was high in Merseyside and Greater London and low in West Yorkshire and West Midlands. In the age-group 25–44 the rate for females in Merseyside was 86 per cent higher than that of all conurbations combined and, though the number of deaths was only 62 for the five years, this rate was significantly greater than that of Greater London for females of this age group ($P < \cdot 01$).

It is interesting that although the population density is 5·5 persons per acre in West Yorkshire, the lung cancer mortality there is on the whole no better than in the West Midlands with a population density of 13·4.

Table CXXI. Cancer of lung and bronchus (ICD Nos. 162, 163), death rates per million living, by sex and five age-groups, in conurbations, 1958–62, England and Wales

Age		Conurbation											
		Tyneside		West Yorkshire		South East Lancashire		Merseyside		West Midlands		Greater London	
		M	F	M	F	M	F	M	F	M	F	M	F
25–44	Deaths	78	21	133	27	233	65	120	62	208	47	564	201
	Average annual death rate	138	37	121	24	146	39	139	67	126	29	100	34
45–54	Deaths	357	62	570	90	946	154	547	91	909	111	3,163	584
	Average annual death rate	1,231	203	919	133	1,094	166	1,229	192	1,129	136	1,063	183
55–64	Deaths	817	87	1,389	170	2,191	255	1,202	156	1,985	169	7,636	1,109
	Average annual death rate	3,552	335	2,894	288	3,295	313	3,588	380	3,452	256	3,440	416
65–74	Deaths	653	92	1,146	188	1,689	259	1,092	164	1,450	203	6,677	1,175
	Average annual death rate	5,224	526	4,408	448	4,692	450	6,067	566	4,754	446	5,658	623
75 and over	Deaths	201	60	374	105	537	164	318	123	427	115	2,845	903
	Average annual death rate	3,655	667	3,117	457	3,580	556	3,975	769	3,050	442	5,173	762
All ages	Deaths	2,108	323	3,616	581	5,601	899	3,283	598	4,979	646	20,895	3,975
	Average annual death rate	1,021	146	903	129	977	141	1,001	164	888	109	1,082	183

Table CXXII. Cancer of lung and bronchus (ICD Nos. 162 and 163), comparative mortality by age-groups, in conurbations, 1958–62, England and Wales

(Rates as percentage of average for all conurbations combined)

	All Conurbations	Tyneside	West Yorkshire	South East Lancashire	Merseyside	West Midlands	Greater London
Persons per acre 1960		14·8	5·5	10·0	14·5	13·4	17·8
Age	Males						
25–44	100	119	104	126	120	109	86
45–54	100	113	84	100	113	104	98
55–64	100	105	85	97	106	102	101
65–74	100	99	84	89	115	90	107
75 and over ..	100	84	72	82	91	70	119
All ages ..	100	101	89	97	99	88	107
	Females						
25–44	100	103	67	108	186	81	94
45–54	100	118	77	97	112	79	106
55–64	100	93	80	86	105	71	115
65–74	100	96	81	82	103	81	113
75 and over ..	100	100	69	83	115	66	114
All ages ..	100	92	82	89	104	69	116

CONGENITAL MALFORMATIONS

The geographical distribution of deaths from congenital abnormalities was briefly reported in the Commentary for 1959. A considerably more detailed analysis is now given in Tables CXXIII–CXXV which relate to infant deaths in the five years 1958–1962. The figures do not include stillbirths because the recording of causes of stillbirth did not begin until the 1st October 1960. The number of deaths is very small in many areas even when accumulated over a five-year period and the sampling errors consequently rather large. However, it seemed desirable to publish the data in full so that areas could be amalgamated into groups in relation to any social or geographical factors that might come to seem relevant.

It is not possible to say how faithfully the figures given in Tables CXXIII–CXXV reflect the true incidence of the malformations tabulated there. This is particularly so in the case of congenital malformations of the circulatory system which are frequently not detected at birth and may not lead to death until many years after. Their presentation here refers to deaths under one year and gives a rather crude index of variations in the true incidence of these conditions.

The total mortality from monstrosity, which is largely made up of anencephaly and to some extent that from spina bifida and hydrocephalus, is also understated, since only those cases which survived after birth are included. Those born dead would have been classified among the stillbirths. Similar considerations apply to all the other congenital malformations given in the tables. Analyses including information for stillbirths will be given in the 1963 Commentary volume. Further studies will be based also on the recently introduced scheme for notification of congenital abnormalities observable at birth.

A comparison of the figures for the three major groups of abnormalities of the central nervous system with those given by McKeown* and his collaborators (1960) for Birmingham gives some idea of the extent of the under-statement. The first two columns of the following table compare the rates per 1,000 total births for both sexes in Birmingham as found by McKeown (1960) with the present results; the other columns give some indication of the extent to which the difference may be accounted for by the omission of stillbirths.

	Birmingham		England and Wales	
	McKeown (1960)	Death registrations 1958–62	Death registrations 1958–62	Stillbirths 1961–62
Monstrosity ..	1·96 (Anencephaly)	0·25	0·23	1·94
Spina bifida and meningocele ..	2·80	0·67	0·87	0·42
Hydrocephalus	1·76	0·52	0·65	0·65

It can be seen that stillbirths probably account for most of the difference in the case of monstrosity and to a lesser extent in hydrocephalus but that a considerable difference still remains in the case of spina bifida. A general comparision of the incidence of the malformations given in Tables CXXIII–CXXV with those quoted by Lamy and Frézal† confirms that, as is to be

* Mc Keown, T. and Record, R. G. (1960). *Ciba Foundation Symposium on Congenital Malformations.* J. A. Churchill, London.

† Lamy, M. and Frézal, J. (1960). *First Conference on Congenital Malformations.* J. B. Lippincott Co., Philadelphia (1961).

expected, the registered deaths considerably under-state the true incidence of most abnormalities.

For these reasons it cannot be maintained that the material given here provides more than a rough guide to the geographical variation in incidence of the various abnormalities considered. The situation is complicated by the fact that there will inevitably be differences in the fullness and accuracy of certification and the stringency with which the criteria of stillbirth are interpreted.

It will be noticed from Tables CXXIII–CXXV that there is a tendency for the rates for major abnormalities of the central nervous system in county boroughs and urban districts to be higher than in rural districts though the rates in county boroughs and urban districts are generally higher than those in the metropolitan boroughs of London. In view of this last fact it seems probable that the urban/rural difference is not wholly explicable by under-reporting since it is probable that reporting in the London area is at least as good as that in the county boroughs and urban districts.

As the numbers of malformations are small in many places, the tables give a standardised measure of the departure of the local rate from the average for similar areas throughout the country. This is calculated by forming an expected number of cases by applying the overall national rate to the local births. If the difference between the observed and expected cases is divided by the square root of the expected cases, the resulting deviation gives a rough measure of the statistical significance of the departure of any rate from the average.

If all the areas had about the same rates of incidence and the variations between them were due only to random sampling errors, these standardised deviations would vary among the 83 county boroughs from about -2 to $+2$. They would also be independent of one another in the two sexes and the abnormalities would not be correlated with one another.

In some malformations there is, in fact, a deficiency of the negative deviations, around -2, and an excess of positive ones in the region of $+2$ or higher; and there is no doubt that the rates vary considerably from place to place, there being usually more areas with high values than would be expected from random sampling.

The areas have been arranged in the tables in the order of the deviations, which is not necessarily the same as that of the rates though it is always close to this order. Exceptions occur in areas with large numbers of births, since the smaller deviations may be large in absolute numbers compared with the square root of the calculated value.

It should be emphasised that these deviations are only intended as a guide to the reliability of the rates and not as formal tests of significance which should be made by more exact methods.

County boroughs

Malformations of central nervous system

Monstrosity (ICD No. 750). The rates for this condition in males vary from about 0·5 to 8·0 per 10,000 live births. However, many of these rates are based on small numbers and the spread of the standardised deviations described above is from $-1{\cdot}96$ to $+3{\cdot}81$, most of the deviations lying between $-1{\cdot}96$ and $+1{\cdot}96$. The highest deviation ($+3{\cdot}81$) occurs in Stockport where the rate is 8·00 per 10,000 and there are other large deviations in Exeter ($+2{\cdot}05$) and Cardiff ($+2{\cdot}02$). In general the rates tended to be higher in the north western part of England, but there were notable exceptions to this trend such as Exeter, Cardiff and Canterbury.

The rates for females showed a considerably greater spread than for males, ranging from 1·13 to 10·60 per 10,000 live births. The largest deviation (+5·76) and one of the largest rates (9·29) occurred in Liverpool, followed by Bootle (+2·48) which had the highest incidence rate of 10·60 per 10,000 live births. The concentration in the north west around Liverpool was very strongly marked, Preston, Warrington, Blackpool and Salford all having among the ten highest rates of anencephaly. The incidence in females, therefore, confirms the high rates in north west England suggested by Penrose* largely on the evidence from Liverpool.

Spina bifida and meningocele (ICD No. 751). In males and females the range of rates was very wide, extending from 1·29 to 28·26 per 10,000 in males and 1·87 to 47·47 in females. The tendency to concentrate in the north west was rather more marked in males than in females. In males the highest rate (28·26) and the highest deviation (+5·13) occurred in St. Helens. Preston, Blackburn and Chester all had high rates for both sexes and Chester had the highest rate (47·47) and the highest deviation (+5·51) for females.

The spread of the deviations is rather wider than in anencephaly, ranging from about −3 to +5, but the lower rates did not show the same geographical distribution in both sexes as did the higher rates.

Hydrocephalus (ICD No. 752). The range of rates in this condition was about the same in both sexes, approximately 2·0 to 15·0 per 10,000 live births. Once again many of the higher rates were concentrated in the north west, though this tendency was slightly more marked among males. The highest rates for males were in Lincoln, Chester and Bootle, for females in Barrow, South Shields and Derby and Chester also had a high rate.

Other malformations of central nervous system (ICD No. 753). Rates for these were low and numbers of deaths small. In males the rate in Chester, 10·91 per 10,000, was outstandingly high, the corresponding deviation being +5·84, but the north west tendency was not very strongly marked. The highest rate for females was in Bath (6·69 per 10,000) with a deviation of +2·63.

As pointed out by Edwards† for Scotland, the English figures show a general tendency for the incidence of the major malformations of the central nervous system to be correlated with one another. A detailed examination of this correlation must be deferred to a later commentary but there is little doubt that it is due in part to the common influence of social factors. Social factors are probably also responsible for some of the concentration of malformations of the central nervous system in the north western part of England but it seems unlikely that they can account for all of it.

Malformations of circulatory system (ICD No. 754)

The range of variation of the rates does not differ much in the two sexes, being from about 5·0 to 40·0 per 10,000. Rates in the male are, however, slightly higher on the average, 19·77 as against 16·08 among females, in the county boroughs. In terms of the deviations of the expected and observed values the range of variation is not high in either sex. The rate in Chester for females is suspiciously high, but not for males, while that for Preston is high for both sexes. There is a tendency to an excess of malformations of the circulatory system in the north west.

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* Penrose, L. S. (1957). *J. Ment. Def. Res. 1*, 1.

† Edwards, J. H. (1958). *Brit. J. of Prev. Soc. Med. 12*, 115.

Malformations of digestive system (ICD No. 756)

Death rates in this group are appreciably higher in males and the range of variation as measured by the deviations is also greater. The incidence in the north west is again rather high but not very consistent between the sexes, though Preston has a high rate in both.

All malformations (ICD Nos. 750–759)

There is a broad tendency for all the congenital malformations to have a somewhat higher incidence in the north western county boroughs, two with consistently high rates in both sexes being Preston and Chester. An interesting exception to the northern and western tendency is Eastbourne, which is among the highest ten in both males and females, but this might be an accident of sampling as the actual numbers of malformations are small.

Administrative counties*

Malformations of central nervous system

Monstrosity (ICD No. 750). The rates of incidence in males and females were 1·57 and 2·75 per 10,000 live births respectively, in both cases slightly lower than the corresponding values for county boroughs. The spread of the standardised deviations was about the same in both sexes though the male rate in Caernarvonshire U.Ds. is unexpectedly high (11·57 per 10,000). The areas with the highest deviations were Caernarvonshire U.Ds., Northumberland R.Ds., Shropshire U.Ds., Hampshire R.Ds. and Durham U.Ds. for males, while for females they were Lancashire U.Ds., Cardiganshire R.Ds., Radnorshire R.Ds., Hampshire R.Ds. and the Soke of Peterborough U.Ds.

Spina bifida and meningocele (ICD No. 751). The incidence of these conditions was 6·19 per 10,000 in males and 9·42 for females. The male and female rates are both lower than those found in county boroughs. The spread of the deviations is considerable, from −4·27 to +5·04 in males and from −3·41 to +3·91 in females. In males the areas with the highest deviations were Glamorgan R.Ds., Glamorgan U.Ds., Caernarvonshire R.Ds., Cumberland U.Ds. and Monmouthshire U.Ds. The highest rate, 29·9 per 10,000, occurred in Caernarvonshire R.Ds., but was based on rather small numbers, and Glamorgan U.Ds. and R.Ds. depart most significantly from expectation.

Hydrocephalus (ICD No. 752). The rates in administrative counties were 4·52 per 10,000 for males and 5·93 per 10,000 for females. Both of these were slightly lower than in county boroughs but negligibly so for males (C.B. rate 4·88). The highest deviations for females occurred in Shropshire U.Ds., Glamorgan U.Ds., Leicestershire U.Ds., Cumberland U.Ds. and the Isle of Ely U.Ds., the range of deviations being from −2·78 to +4·48. For males the highest deviations were in Leicestershire U.Ds., Flintshire U.Ds., Nottinghamshire U.Ds., Monmouthshire U.Ds. and Cheshire U.Ds., but the range of variation was less: −3·88 to +2·80 and skewed rather more towards smaller rates.

Other abnormalities of central nervous system (ICD No. 753). The numbers of these were in most cases small, the incidence rates being 0·86 per 10,000 for males and 1·08 for females, both smaller than in county boroughs. The highest male deviations were in the Isle of Ely U.Ds., Merionethshire U.Ds., Somerset R.Ds., Cornwall U.Ds. and the Isle of Ely R.Ds., the spread of deviation being from −1·55 to +4·05. In females the spread was similar,

* In both the text and Table CXXIV, figures relate to aggregates of urban and rural districts within the administrative counties.

−1·36 to +4·17, the highest deviations being in Huntingdonshire U.Ds., Westmorland U.Ds., Gloucestershire U.Ds., Breconshire R.Ds. and London.

Malformations of circulatory system (ICD No. 754)

Rates of incidence of these conditions in males and females were 18·93 and 15·96 per 10,000 respectively, slightly lower than in the county boroughs. In males the range of deviations was not great, from −2·23 to +2·76, the highest deviations being in Lincolnshire (Parts of Holland) U.Ds., Pembrokeshire U.Ds., Warwickshire R.Ds., Pembrokeshire R.Ds. and Hampshire U.Ds. In females the range of deviations was similar, −2·25 to +2·80, apart from a very large value of +5·03 in Radnorshire R.Ds. After Radnorshire R.Ds. the highest deviations were in Glamorgan U.Ds., London, West Sussex U.Ds. and Derbyshire R.Ds.

Malformations of digestive system (ICD No. 756)

The rates for males and females were 5·20 and 3·67 per 10,000 respectively, both lower than in the county boroughs. The range of the deviations was much the same in both sexes, −2·30 to +3·60 in males and −2·29 to +3·58 in females. For males the areas with highest deviations were Gloucestershire U.Ds., Derbyshire R.Ds., Pembrokeshire U.Ds., Merionethshire R.Ds. and Caernarvonshire R.Ds. For females they were Cornwall R.Ds., Pembrokeshire R.Ds., Oxfordshire R.Ds., Northamptonshire U.Ds. and Pembrokeshire U.Ds.

All malformations (ICD Nos. 750–759)

The rates for all malformations were 44·07 per 10,000 in males and 43·49 for females, the range of the deviations being −2·92 to +3·35 in males and −3·23 to +3·79 in females if the very large deviation, +5·35, for Glamorgan U.Ds. is ignored. The highest deviations for males were in Glamorgan R.Ds., Durham R.Ds., Caernarvonshire R.Ds., Glamorgan U.Ds. and Durham U.Ds. For females the highest were in Glamorgan U.Ds., Durham U.Ds., Radnorshire R.Ds., Lancashire U.Ds. and Derbyshire U.Ds.

The impression that the study of all these rates gives is that there is a general westward tendency among the areas with highest deviations, which is particularly marked in Wales and in the north west of England around Liverpool and Lancashire. Other areas which seem to occur with unexpected high frequency among the larger rates are Northumberland and Durham, and East Anglia in the region of Peterborough and Ely. Detailed statistical examination is required to establish the composition and significance of neighbouring groups of areas with high deviation.

Metropolitan boroughs

Overall death rates from congenital abnormalities in the metropolitan boroughs were appreciably lower than those in county boroughs and administrative counties.

Comparisons of incidence between metropolitan boroughs are very difficult owing to the presence of teaching or specialist hospitals, and it has not been found possible to correct for this in assigning the deaths to place of residence. The most conspicuously discrepant borough is Holborn where the Hospital for Sick Children at Great Ormond Street is situated, but other boroughs such as Southwark, Finsbury, Paddington and Hammersmith are probably also similarly affected. For these reasons it does not seem justifiable to discuss the rates in detail but they are given here for completeness.

Table CXXIII. Congenital malformations, deaths under 1 year of age and death rates per 10,000 live births, Standardised Mortality Ratios and deviations from the average, 1958–1962, county boroughs

(A) All congenital malformations (ICD Nos. 750–759)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**49·05**	**3,044**	**620,580**	**Total**	**0·00**	**100·0**	**48·37**	**2,824**	**583,891**
Croydon	−1·92	73·1	35·84	37	10,323	Southend	−2·21	56·9	*27·54*	15	5,447
Barrow	−1·84	50·5	*24·77*	7	2,826	Croydon	−2·10	69·9	33·80	34	10,060
Bradford	−1·83	77·8	38·16	53	13,888	Bradford	−2·01	74·7	36·11	47	13,016
Sheffield	−1·68	83·3	40·85	84	20,562	Rotherham	−1·95	54·4	*26·32*	10	3,800
Birmingham	−1·66	89·8	44·02	235	53,379	Stockport	−1·86	65·5	*31·67*	19	5,999
Smethwick	−1·63	56·6	*27·78*	8	2,880	Sheffield	−1·76	81·9	39·61	77	19,440
Gloucester	−1·61	60·4	*29·64*	10	3,374	Plymouth	−1·57	76·2	36·86	33	8,954
Wakefield	−1·40	59·2	*29·06*	7	2,409	West Ham	−1·56	73·3	35·47	25	7,048
Leeds	−1·38	86·9	42·60	96	22,534	Grimsby	−1·43	70·0	*33·86*	16	4,726
Salford	−1·28	79·2	38·83	30	7,725	West Hartlepool	−1·40	67·9	*32·84*	13	3,958
Great Yarmouth	−1·18	62·1	*30·44*	6	1,971	Coventry	−1·39	83·2	40·24	57	14,165
West Ham	−1·18	80·3	39·41	29	7,359	Southampton	−1·36	79·2	38·31	34	8,874
Plymouth	−1·14	83·4	40·89	39	9,537	Newcastle upon Tyne	−1·27	83·5	40·38	49	12,136
Barnsley	−1·13	73·2	*35·88*	13	3,623	Southport	−1·22	65·1	*31·48*	8	2,541
Grimsby	−1·03	79·0	*38·73*	19	4,906	Bury	−1·15	66·9	*32·35*	8	2,473
Nottingham	−1·01	88·3	43·29	65	15,014	Dudley	−1·12	67·6	*32·68*	8	2,448
West Hartlepool	−1·01	77·8	*38·16*	16	4,193	West Bromwich	−1·02	77·5	*37·48*	16	4,269
Middlesbrough	−1·00	85·1	41·72	38	9,108	York	−0·98	78·3	*37·87*	16	4,225
Southend	−0·99	81·3	39·90	23	5,765	Lincoln	−0·95	76·2	*36·84*	12	3,257
Rotherham	−0·97	78·0	*38·24*	15	3,923	Great Yarmouth	−0·93	68·6	*33·19*	6	1,808
Brighton	−0·88	80·6	41·03	24	5,850	Northampton	−0·91	79·7	*38·53*	16	4,153
Northampton	−0·87	81·5	*39·97*	18	4,503	Birmingham	−0·89	94·3	45·60	230	50,437
Wolverhampton	−0·78	86·5	42·41	29	6,838	Gateshead	−0·81	83·1	*40·17*	19	4,730
East Ham	−0·77	83·0	*40·72*	17	4,175	Manchester	−0·77	93·7	45·34	140	30,880
Southampton	−0·77	88·5	43·43	40	9,211	East Ham	−0·71	83·7	*40·48*	16	3,953
Sunderland	−0·74	89·4	43·86	44	10,033	Bath	−0·65	83·0	*40·12*	12	2,991
Huddersfield	−0·73	86·2	42·27	24	5,678	Canterbury	−0·64	72·7	*35·15*	4	1,138
Reading	−0·53	89·7	44·02	1	5,452	Smethwick	−0·64	82·5	*39·91*	11	2,756
Wigan	−0·48	88·1	*43·20*	14	3,241	Sunderland	−0·57	91·5	44·24	41	9,268
Ipswich	−0·43	91·6	44·95	24	5,339	Leeds	−0·56	94·5	45·69	98	21,450
Leicester	−0·43	94·4	46·30	5	12,095	Walsall	−0·52	89·8	43·41	23	5,293
Burnley	−0·38	90·6	*44·42*	15	3,377	Hastings	−0·43	85·9	*41·54*	8	1,926
Gateshead	−0·35	93·0	45·64	24	5,259	Barrow	−0·39	89·0	*43·04*	11	2,556
Kingston upon Hull	−0·33	96·3	47·17	71	15,053	Ipswich	−0·37	92·3	44·66	22	4,926
Tynemouth	−0·29	92·8	*45·52*	15	3,295	Blackpool	−0·33	92·9	44·91	20	4,453
Rochdale	−0·21	95·1	*46·65*	17	3,644	Burton upon Trent	−0·31	90·8	*43·92*	10	2,277
Dewsbury	−0·18	94·8	*46·49*	11	2,366	Doncaster	−0·27	93·6	*45·27*	17	3,755

Bournemouth	−0·15	96·8	47·46	21	4,425	Barnsley	−0·18	95·6	*46·22*	15	3,245
Cardiff	−0·11	98·6	48·36	59	12,201	Worcester	−0·18	94·9	*45·91*	12	2,614
Canterbury	0·01	100·5	*49·30*	6	1,217	Brighton	−0·17	96·6	46·74	25	5,349
Dudley	0·09	102·6	*50·35*	13	2,582	Tynemouth	−0·10	97·5	*47·14*	15	3,182
Stoke-on-Trent	0·12	101·6	49·84	56	11,235	Rochdale	−0·02	99·5	*48·15*	17	3,531
Southport	0·20	105·4	*51·68*	14	2,709	Bolton	0·03	100·6	48·65	31	6,372
Warrington	0·21	105·1	*51·53*	18	3,493	Oxford	0·03	100·6	*48·67*	19	3,904
Portsmouth	0·22	103·2	50·64	48	9,478	Carlisle	0·09	102·3	*49·47*	16	3,234
Exeter	0·26	106·7	*52·34*	16	3,057	Wolverhampton	0·11	102·0	49·34	32	6,486
Bath	0·28	107·1	*52·52*	17	3,237	Oldham	0·13	102·7	49·65	24	4,834
Norwich	0·32	106·7	52·33	25	4,777	St. Helens	0·13	102·8	49·72	23	4,626
York	0·36	107·7	52·82	23	4,354	Nottingham	0·15	101·8	49·23	69	14,017
Bolton	0·38	106·5	52·26	35	6,697	Burnley	0·16	104·1	*50·36*	16	3,177
Merthyr Tydfil	0·39	110·9	*54·39*	14	2,574	Cardiff	0·17	102·2	49·44	58	11,732
Darlington	0·41	110·0	*53·95*	19	3,522	Bournemouth	0·20	104·4	50·51	21	4,158
Stockport	0·43	107·7	52·83	33	6,247	Wigan	0·20	105·1	*50·84*	16	3,147
Doncaster	0·45	110·4	54·15	21	3,878	Salford	0·28	104·8	50·68	37	7,300
South Shields	0·47	109·3	53·61	28	5,223	South Shields	0·30	106·1	51·31	26	5,067
Liverpool	0·52	103·6	50·83	211	41,510	Wakefield	0·36	110·8	*53·60*	12	2,239
Newport	0·62	112·5	55·16	28	5,076	Reading	0·37	107·4	51·96	26	5,004
Derby	0·68	113·0	55·42	31	5,594	Gloucester	0·38	109·7	*53·08*	17	3,203
Bristol	0·76	108·1	53·03	96	18,104	Newport	0·41	108·6	52·53	25	4,759
Blackburn	0·83	118·0	57·88	25	4,319	Merthyr Tydfil	0·46	113·6	*54·92*	13	2,367
Bury	0·83	123·1	*60·40*	16	2,649	Portsmouth	0·49	107·5	51·98	46	8,850
Coventry	0·93	110·8	54·35	83	15,272	Dewsbury	0·52	115·5	*55·84*	13	2,328
Halifax	0·96	121·7	59·70	24	4,020	Blackburn	0·61	114·0	55·12	22	3,991
Bootle	0·98	119·5	58·62	30	5,118	Swansea	0·63	111·1	53·76	36	6,697
Burton upon Trent	1·01	129·7	*63·61*	15	2,358	Huddersfield	0·74	114·5	55·38	30	5,417
Birkenhead	1·04	117·7	57·71	41	7,104	Stoke-on-Trent	0·75	110·7	53·54	55	10,272
Manchester	1·08	108·5	53·22	176	33,069	Exeter	0·87	123·5	*59·71*	17	2,847
Newcastle upon Tyne	1·17	114·8	56·29	72	12,791	Birkenhead	0·92	116·3	56·24	37	6,579
Oldham	1·18	123·9	60·77	30	4,937	Wallasey	1·16	124·9	60·43	27	4,468
Swansea	1·18	119·9	58·82	42	7,141	Bristol	1·17	112·9	54·61	92	16,846
Carlisle	1·19	128·7	63·11	22	3,486	Norwich	1·17	125·2	60·57	27	4,458
Blackpool	1·20	125·0	61·31	29	4,730	Kingston upon Hull	1·22	114·8	55·52	78	14,049
Worcester	1·23	133·6	*65·53*	18	2,747	Bootle	1·30	127·2	61·51	29	4,715
Hastings	1·30	141·2	*69·24*	14	2,022	Warrington	1·49	138·2	66·86	21	3,141
Oxford	1·36	130·4	63·94	26	4,066	Darlington	1·58	138·9	67·17	23	3,424
Eastbourne	1·44	151·0	*74·07*	12	1,620	Leicester	1·69	123·0	59·47	67	11,267
West Bromwich	1·52	132·4	64·94	29	4,466	Middlesbrough	2·09	132·5	64·09	55	8,582
Wallasey	1·72	135·3	66·36	32	4,822	Halifax	2·17	150·2	72·63	28	3,855
Lincoln	2·06	150·6	73·86	25	3,385	Derby	2·23	146·4	70·83	37	5,224
Chester	2·86	178·0	87·30	24	2,749	Liverpool	2·61	119·0	57·56	223	38,739
Preston	3·05	160·3	78·65	41	5,213	Eastbourne	2·70	198·2	*95·85*	15	1,565
Walsall	3·29	162·5	79·73	45	5,644	Preston	5·18	206·3	99·78	49	4,911
St. Helens	4·00	181·1	88·82	44	4,954	Chester	5·37	253·5	122·63	31	2,528

Table CXXIII—*continued*

(B) Monstrosity (ICD No. 750)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**1·71**	**106**	**620,580**	**Total**	**0·00**	**100·0**	**3·68**	**215**	**583,891**
Leeds	−1·96	—	—	—	22,534	West Ham	−1·61	—	—	—	7,048
Bradford	−1·54	—	—	—	13,888	Southend	−1·42	—	—	—	5,447
Sheffield	−1·34	28·5	*0·49*	1	20,562	Walsall	−1·40	—	—	—	5,298
Croydon	−1·33	—	—	—	10,323	South Shields	−1·37	—	—	—	5,067
Portsmouth	−1·27	—	—	—	9,478	Southampton	−1·25	30·6	*1·13*	1	8,874
Southampton	−1·25	—	—	—	9,211	West Hartlepool	−1·21	—	—	—	3,958
West Ham	−1·12	—	—	—	7,359	Rotherham	−1·18	—	—	—	3,800
Swansea	−1·10	—	—	—	7,141	Lincoln	−1·10	—	—	—	3,257
Bolton	−1·07	—	—	—	6,697	Carlisle	−1·09	—	—	—	3,234
Brighton	−1·00	—	—	—	5,850	Gloucester	−1·09	—	—	—	3,203
Derby	−0·98	—	—	—	5,594	Burnley	−1·08	—	—	—	3,177
Huddersfield	−0·98	—	—	—	5,678	Tynemouth	−1·08	—	—	—	3,182
Reading	−0·97	—	—	—	5,452	Exeter	−1·32	—	—	—	2,847
Gateshead	−0·95	—	—	—	5,259	Manchester	−1·00	70·4	*2·59*	8	30,880
South Shields	−0·94	—	—	—	5,223	Barrow	−0·97	—	—	—	2,556
Grimsby	−0·92	—	—	—	4,906	Southport	−0·97	—	—	—	2,541
Norwich	−0·90	—	—	—	4,777	Dudley	−0·95	—	—	—	2,448
West Hartlepool	−0·85	—	—	—	4,193	Nottingham	−0·95	58·1	*2·14*	3	14,017
Newcastle upon Tyne	−0·80	45·8	*0·78*	1	12,791	Merthyr Tydfil	−0·93	—	—	—	2,367
Barnsley	−0·79	—	—	—	3,623	Stoke-on-Trent	−0·92	52·9	*1·95*	2	10,272
Rochdale	−0·79	—	—	—	3,644	Hastings	−0 84	—	—	—	1,926
Warrington	−0·77	—	—	—	3,493	Great Yarmouth	−0·82	—	—	—	1,808
Burnley	−0·76	—	—	—	3,377	Brighton	−0·69	50·8	*1·87*	1	5,349
Gloucester	−0·76	—	—	—	3,374	Leeds	−0·68	76·0	*2·80*	6	21,450
Lincoln	−0·76	—	—	—	3,385	Derby	−0·67	52·0	*1·91*	1	5,224
Bath	−0·74	—	—	—	3,237	Canterbury	−0·65	—	—	—	1,138
Leicester	−0·74	48·4	*0·83*	1	12,095	Ipswich	−0·60	55·1	*2·03*	1	4,926
Wigan	−0·74	—	—	—	3,241	Oldham	−0·58	56·2	*2·07*	1	4,834
Smethwick	−0·70	—	—	—	2,880	Newport	−0·57	57·1	*2·10*	1	4,759
Southport	−0·68	—	—	—	2,709	Grimsby	−0·56	57·5	*2·12*	1	4,726
Dudley	−0·66	—	—	—	2 582	St. Helens	−0·54	58·7	*2·16*	1	4,626
Merthyr Tydfil	−0·66	—	—	—	2,574	Norwich	−0·50	60·9	*2·24*	1	4,458
Dewsbury	−0·64	—	—	—	2,366	Wallasey	−0·50	60·8	*2·24*	1	4,468
Wakefield	−0·64	—	—	—	2,409	West Bromwich	−0·46	63·6	*2·34*	1	4,269
Burton upon Trent	−0·63	—	—	—	2,358	York	−0·45	64·3	*2·37*	1	4,225
Hastings	−0·59	—	—	—	2,022	Bournemouth	−0·43	65·3	*2·41*	1	4,158
Great Yarmouth	−0·58	—	—	—	1.971	Northampton	−0·43	65·4	*2·41*	1	4,153
Plymouth	−0·49	61·4	*1·05*	1	9,537	Sheffield	−0·43	83·8	*3·09*	6	19,440
Wolverhampton	−0·16	85·6	*1·46*	1	6,838	Blackburn	−0·39	68·1	*2·51*	1	3,991
Bristol	−0·05	97·0	*1·66*	3	18,104	East Ham	−0·38	68·7	*2·53*	1	3,953
Southend	0·02	101·6	*1·73*	1	5,765	Croydon	−0·37	81·0	*2·98*	3	10,060

Walsall	0·04	103·7	*1·77*	1	5,644	Birmingham	−0·36	91·5	*3·37*	17	50,437
Stoke-on-Trent	0·06	104·2	*1·78*	2	11,235	Bradford	−0·36	83·5	*3·07*	4	13,016
Ipswich	0·09	109·7	*1·87*	1	5,339	Oxford	−0·36	69·6	*2·56*	1	3,904
Preston	0·12	112·3	*1·92*	1	5,213	Swansea	−0·30	81·1	*2·99*	2	6,697
Newport	0·14	115·3	*1·97*	1	5,076	Birkenhead	−0·27	82·6	*3·04*	2	6,579
Oldham	0·17	118·6	*2·03*	1	4,937	Bolton	−0·23	85·2	*3·14*	2	6,372
St. Helens	0·17	118·2	*2·02*	1	4,954	Newcastle upon Tyne	−0·22	89·5	*3·30*	4	12,136
Wallasey	0·19	121·4	*2·07*	1	4,822	Sunderland	−0·22	87·9	*3·24*	3	9,268
Sunderland	0·22	116·7	*1·99*	2	10,033	Barnsley	−0·18	83·7	*3·08*	1	3,245
Coventry	0·24	115·0	*1·96*	3	15,272	Cardiff	−0·15	92·6	*3·41*	4	11,732
Northampton	0·26	130·0	*2·22*	1	4,503	Portsmouth	−0·14	92·1	*3·39*	3	8,850
Kingston upon Hull	0·27	116·7	*1·99*	3	15,053	Stockport	−0·14	90·5	*3·33*	2	5,999
West Bromwich	0·27	131·1	*2·24*	1	4,466	Bath	−0·10	90·8	*3·34*	1	2,991
Bournemouth	0·28	132·3	*2·26*	1	4,425	Kingston upon Hull	−0·08	96·7	*3·56*	5	14,049
Birmingham	0·29	109·7	*1·87*	10	53,379	Leicester	−0·07	96·4	*3·55*	4	11,267
York	0·30	134·5	*2·30*	1	4,354	Smethwick	−0·01	98·5	*3·63*	1	2,756
East Ham	0·34	140·2	*2·40*	1	4,175	Worcester	0·04	103·9	*3·83*	1	2,614
Oxford	0·37	144·0	*2·46*	1	4,066	Chester	0·07	107·4	*3·96*	1	2,528
Halifax	0·38	145·6	*2·49*	1	4,020	Bury	0·09	109·8	*4·04*	1	2,473
Darlington	0·51	166·2	*2·84*	1	3,522	Reading	0·12	108·5	*4·00*	2	5,004
Carlisle	0·52	167·9	*2·87*	1	3,486	Dewsbury	0·15	116·7	*4·30*	1	2,328
Tynemouth	0·58	177·7	*3·03*	1	3,295	Burton upon Trent	0·18	119·3	*4·39*	1	2,277
Salford	0·59	151·6	*2·59*	2	7,725	Wakefield	0·19	121·3	*4·47*	1	2,239
Birkenhead	0·71	164·8	*2·82*	2	7,104	Gateshead	0·20	114·8	*4·23*	2	4,730
Barrow	0·74	207·2	*3·54*	1	2,826	Coventry	0·34	115·0	*4·24*	6	14,165
Chester	0·77	213·0	*3·64*	1	2,749	Plymouth	0·39	121·3	*4·47*	4	8,954
Worcester	0·77	213·1	*3·64*	1	2,747	Eastbourne	0·56	173·5	6·39	1	1,565
Bury	0·81	221·0	*3·78*	1	2,649	Rochdale	0·61	153·8	*5·66*	2	3,531
Nottingham	0·90	156·0	*2·66*	4	15,014	Darlington	0·66	158·6	*5·84*	2	3,424
Liverpool	1·09	141·0	*2·41*	10	41,510	Bristol	0·72	129·0	*4·75*	8	16,846
Bootle	1·20	228·8	*3·91*	2	5,118	Wigan	0·78	172·6	*6·36*	2	3,147
Blackpool	1·33	247·5	*4·23*	2	4,730	Halifax	1·33	211·4	*7·78*	3	3,855
Eastbourne	1·38	361·4	*6·17*	1	1,620	Doncaster	1·38	217·0	*7·99*	3	3,755
Blackburn	1·47	271·1	*4·63*	2	4,319	Huddersfield	1·42	200·5	*7·38*	4	5,417
Rotherham	1·62	298·5	*5·10*	2	3,923	Middlesbrough	1·60	139·9	*6·99*	6	8,582
Doncaster	1·64	301·9	*5·16*	2	3,878	Preston	1·63	221·2	*8·14*	4	4,911
Canterbury	1·74	481·1	*8·22*	1	1,217	Warrington	1·71	259·4	*9·55*	3	3,141
Manchester	1·83	177·0	*3·02*	10	33,069	Blackpool	1·84	244·0	*8·98*	4	4,453
Middlesbrough	1·96	257·1	*4·39*	4	9,108	Salford	2·02	223·2	*8·22*	6	7,300
Cardiff	2·02	239·9	*4·10*	5	12,201	Wolverhampton	2·34	251·2	*9·25*	6	6,486
Exeter	2·05	383·0	*6·54*	2	3,057	Bootle	2·48	288·0	*10·60*	5	4,715
Stockport	3·81	468·6	*8·00*	5	6,247	Liverpool	5·76	252·4	*9·29*	36	38,739

Table CXXIII—*continued*

(C) Spina bifida and meningocele (ICD No. 751)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**7·85**	**487**	**620,580**	**Total**	**0·00**	**100·0**	**11·05**	**645**	**583,891**
Birmingham	−2·76	57·3	4·50	24	53,379	Sheffield	−3·34	27·9	*3·09*	6	19,440
Salford	−2·06	16·5	*1·29*	1	7,725	Brighton	−2·02	16·9	*1·87*	1	5,349
Croydon	−1·79	37·0	*2·91*	3	10,323	Plymouth	−1·87	40·4	*4·47*	4	8,954
West Ham	−1·57	34·6	*2·72*	2	7,359	Grimsby	−1·85	19·2	*2·12*	1	4,726
Sheffield	−1·53	62·0	*4·86*	10	20,562	Croydon	−1·83	45·0	*4·97*	5	10,060
Barrow	−1·49	—	—	—	2,826	Stockport	−1·80	30·2	*3·33*	2	5,999
Grimsby	−1·45	26·0	*2·04*	1	4,906	West Bromwich	−1·71	21·2	*2·34*	1	4,269
Norwich	−1·42	26·7	*2·09*	1	4,777	Barrow	−1·68	—	—	—	2,556
Halifax	−1·21	31·7	*2·49*	1	4,020	Bury	−1·65	—	—	—	2,473
Southampton	−1·20	55·3	*4·34*	4	9,211	Southend	−1·64	33·2	*3·67*	2	5,447
Rotherham	−1·18	32·5	*2·55*	1	3,923	Rotherham	−1·56	23·8	*2·63*	1	3,800
Doncaster	−1·17	32·9	*2·58*	1	3,878	Newcastle upon Tyne	−1·48	59·7	*6·59*	8	12,136
Coventry	−1·15	66·8	*5·24*	8	15,272	Bournemouth	−1·21	43·5	*4·81*	2	4,158
Wolverhampton	−1·02	55·9	*4·39*	3	6,838	Northampton	−1·21	43·6	*4·82*	2	4,153
Burnley	−1·01	37·7	*2·96*	1	3,377	Southampton	−1·21	61·2	*6·76*	6	8,874
Plymouth	−0·91	66·8	*5·24*	5	9,537	Birmingham	−1·17	84·4	9·32	47	50,437
Portsmouth	−0·89	67·2	*5·28*	5	9,478	Coventry	−1·17	70·3	*7·77*	11	14,165
Leicester	−0·81	73·7	*5·79*	7	12,095	Bolton	−1·15	56·8	*6·28*	4	6,372
Southport	−0·77	47·0	*3·69*	1	2,709	Canterbury	−1·12	—	—	—	1,138
Bury	−0·75	48·1	*3·78*	1	2,649	Southport	−1·08	35·6	*3·94*	1	2,541
Brighton	−0·74	65·3	*5·13*	3	5,850	Ipswich	−1·05	55·1	*6·09*	3	4,926
East Ham	−0·71	61·0	*4·79*	2	4,175	Burton upon Trent	−0·96	39·8	*4·39*	1	2,277
Wakefield	−0·65	52·9	*4·15*	1	2,409	Bath	−0·72	60·5	*6·69*	2	2,991
Reading	−0·62	70·1	*5·50*	3	5,452	Great Yarmouth	−0·71	50·1	*5·53*	1	1,808
Bootle	−0·51	74·7	*5·86*	3	5,118	South Shields	−0·68	71·5	*7·89*	4	5,067
Rochdale	−0·51	69·9	*5·49*	2	3,644	West Hartlepool	−0·66	68·6	*7·58*	3	3,958
Cardiff	−0·51	83·6	*6·56*	8	12,201	East Ham	−0·65	68·7	*7·59*	3	3,953
Barnsley	−0·50	70·3	*5·52*	2	3,623	West Ham	−0·64	77·1	*8·51*	6	7,048
Newport	−0·49	75·3	*5·91*	3	5,076	Oldham	−0·58	74·9	*8·27*	4	4,834
Carlisle	−0·44	73·1	*5·74*	2	3,486	Eastbourne	−0·55	57·8	*6·39*	1	1,565
Great Yarmouth	−0·44	64·7	*5·07*	1	1,971	Worcester	−0·52	69·3	*7·65*	2	2,614
Oldham	−0·44	77·4	*6·08*	3	4,937	Rochdale	−0·46	76·9	*8·50*	3	3,531
Gloucester	−0·40	75·5	*5·93*	2	3,374	Wolverhampton	−0·44	83·7	*9·25*	6	6,486
Bath	−0·34	78·7	*6·18*	2	3,237	Leicester	−0·41	88·4	*9·76*	11	11,267
Wigan	−0·34	78·6	*6·17*	2	3,241	Bradford	−0·36	90·4	*9·99*	13	13,016
Bournemouth	−0·25	86·4	*6·78*	3	4,425	York	−0·31	85·7	*9·47*	4	4,225
Southend	−0·25	88·4	*6·94*	4	5,765	Tynemouth	−0·27	85·4	*9·43*	3	3,182
Birkenhead	−0·24	89·7	*7·04*	5	7,104	Manchester	−0·19	96·7	10·69	33	30,880
Nottingham	−0·23	93·4	*7·33*	11	15,014	Hastings	−0·09	94·0	*10·38*	2	1,926
Huddersfield	−0·22	89·8	*7·04*	4	5,678	Doncaster	−0·07	96·4	*10·65*	4	3,755
Leeds	−0·16	96·1	*7·54*	17	22,534	Salford	−0·02	99·2	*10·96*	8	7,300

West Hartlepool	−0·16	91·2	*7·15*	3	4,193	Liverpool	0·03	100·5	11·10	43	38,739
Bolton	−0·11	95·1	*7·47*	5	6,697	Blackpool	0·04	101·7	*11·23*	5	4,453
Oxford	−0·11	94·0	*7·38*	3	4,066	Portsmouth	0·07	102·3	*11·30*	10	8,850
Worcester	−0·11	92·8	*7·28*	2	2,747	Bristol	0·09	102·1	*11·28*	19	16,846
Dudley	−0·02	98·7	*7·75*	2	2,582	Lincoln	0·21	111·2	*12·28*	4	3,257
Newcastle upon Tyne	−0·01	99·6	*7·82*	10	12,791	Gloucester	0·25	113·1	*12·49*	4	3,203
Merthyr Tydfil	−0·01	99·0	*7·77*	2	2,574	Birkenhead	0·27	110·1	*12·16*	8	6,579
Stockport	0·04	102·0	*8·00*	5	6,247	Warrington	0·28	115·3	*12·73*	4	3,141
Canterbury	0·05	104·7	*8·22*	1	1,217	Wakefield	0·33	121·3	*13·40*	3	2,239
Stoke-on-Trent	0·06	102·1	*8·01*	9	11,235	Bootle	0·35	115·2	*12·73*	6	4,715
Darlington	0·14	108·5	*8·52*	3	3,522	Huddersfield	0·42	117·0	*12·92*	7	5,417
Lincoln	0·21	112·9	*8·86*	3	3,385	Leeds	0·47	109·7	12·12	26	21,450
Northampton	0·25	113·2	*8·88*	4	4,503	Wallasey	0·48	121·6	*13·43*	6	4,468
Kingston upon Hull	0·35	110·0	*8·64*	13	15,053	Derby	0·51	121·3	*13·40*	7	5,224
Ipswich	0·40	119·3	*9·37*	5	5,339	Smethwick	0·55	131·4	*14·51*	4	2,756
Gateshead	0·43	121·2	*9·51*	5	5,259	Darlington	0·63	132·2	*14·60*	5	3,424
Smethwick	0·49	132·7	*10·42*	3	2,880	Reading	0·63	126·6	*13·99*	7	5,004
Manchester	0·60	111·7	8·77	29	33,069	Nottingham	0·64	116·3	*12·84*	18	14,017
Bradford	0·64	119·3	*9·36*	13	13,888	Barnsley	0·75	139·5	*15·41*	5	3,245
Eastbourne	0·65	157·3	*12·35*	2	1,620	Gateshead	0·78	134·0	*14·80*	7	4,730
Walsall	0·75	135·5	*10·63*	6	5,644	Dudley	0·79	147·9	*16·34*	4	2,448
Derby	0·77	136·7	*10·73*	6	5,594	Oxford	0·81	139·1	*15·37*	6	3,904
West Bromwich	0·80	142·7	*11·20*	5	4,466	Wigan	0·82	143·8	*15·89*	5	3,147
York	0·86	146·3	*11·48*	5	4,354	Cardiff	0·84	123·5	*13·64*	16	11,732
South Shields	0·94	146·4	*11·49*	6	5,223	Merthyr Tydfil	0·86	153·0	*16·90*	4	2,367
Middlesbrough	1·07	139·9	*10·98*	10	9,108	Dewsbury	0·89	155·5	*17·18*	4	2,328
Sunderland	1·11	139·7	*10·96*	11	10,033	Stoke-on-Trent	1·08	132·2	*14·60*	15	10,272
Hastings	1·12	189·1	*14·84*	3	2,022	Newport	1·20	152·2	*16·81*	8	4,759
Swansea	1·43	160·6	*12·60*	9	7,141	Carlisle	1·28	168·0	*18·55*	6	3,234
Tynemouth	1·50	193·4	*15·17*	5	3,295	Walsall	1·30	153·8	*16·99*	9	5,298
Dewsbury	1·57	215·4	*16·91*	4	2,366	Norwich	1·39	162·5	*17·95*	8	4,458
Burton upon Trent	1·58	216·2	*16·96*	4	2,358	Sunderland	1·49	146·5	*16·18*	15	9,268
Liverpool	1·65	128·9	10·12	42	41,510	St. Helens	1·72	176·1	*19·46*	9	4,626
Exeter	1·68	208·4	*16·36*	5	3,057	Burnley	1·86	199·5	*22·03*	7	3,177
Chester	1·94	231·8	*18·19*	5	2,749	Kingston upon Hull	2·15	154·7	17·08	24	14,049
Blackburn	1·96	206·5	*16·21*	7	4,319	Halifax	2·30	211·4	*23·35*	9	3,855
Warrington	1·97	218·9	*17·18*	6	3,493	Swansea	2·43	189·3	*20·90*	14	6,697
Bristol	2·07	154·9	12·15	22	18,104	Exeter	2·74	254·4	*28·10*	8	2,847
Wallasey	2·17	211·4	*16·59*	8	4,822	Middlesbrough	2·77	189·9	*20·97*	18	8,582
Preston	2·43	220·0	*17·26*	9	5,213	Preston	3·25	239·6	*26·47*	13	4,911
Blackpool	3·26	269·4	*21·14*	10	4,730	Blackburn	3·62	272·2	*30·07*	12	3,991
St. Helens	5·13	360·1	*28·26*	14	4,954	Chester	5·51	429·7	*47·47*	12	2,528

Table CXXIII—*continued*

(D) Congenital hydrocephalus (ICD No. 752)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**4·88**	**303**	**620,580**	**Total**	**0·00**	**100·0**	**6·85**	**400**	**583,891**
Southend	−1·68	—	—	—	5,765	Coventry	−1·83	41·2	*2·82*	4	14,165
Ipswich	−1·61	—	—	—	5,339	Cardiff	−1·78	37·3	*2·56*	3	11,732
Norwich	−1·53	—	—	—	4,777	Blackpool	−1·75	—	—	—	4,453
Blackburn	−1·45	—	—	—	4,319	Blackburn	−1·65	—	—	—	3,991
Croydon	−1·35	39·7	*1·94*	2	10,323	Carlisle	−1·49	—	—	—	3,234
Wolverhampton	−1·28	30·0	*1·46*	1	6,838	Birmingham	−1·45	75·3	5·15	26	50,437
Tynemouth	−1·27	—	—	—	3,295	Huddersfield	−1·41	26·9	*1·85*	1	5,417
Kingston upon Hull	−1·24	54·4	*2·66*	4	15,053	Bury	−1·30	—	—	—	2,473
Exeter	−1·22	—	—	—	3,057	Hastings	−1·15	—	—	—	1,926
Southampton	−1·18	44·5	*2·17*	2	9,211	Northampton	−1·09	35·2	*2·41*	1	4,153
Barrow	−1·17	—	—	—	2,826	West Hartlepool	−1·04	36·9	*2·53*	1	3,958
Middlesbrough	−1·16	45·0	*2·20*	2	9,108	Rotherham	−0·99	38·4	*2·63*	1	3,800
Dudley	−1·12	—	—	—	2,582	Bradford	−0·98	67·3	*4·61*	6	13,016
Burton upon Trent	−1·07	—	—	—	2,358	Doncaster	−0·98	38·9	*2·66*	1	3,755
Derby	−1·05	36·6	*1·79*	1	5,594	Sheffield	−0·91	75·1	*5·14*	10	19,440
Grimsby	−0·90	41·7	*2·04*	1	4,906	Plymouth	−0·86	65·2	*4·47*	4	8,954
Eastbourne	−0·89	—	—	—	1,620	Walsall	−0·86	55·1	*3·78*	2	5,298
Wallasey	−0·88	42·5	*2·07*	1	4,822	West Ham	−0·83	62·1	*4·26*	3	7,048
Blackpool	−0·86	43·3	*2·11*	1	4,730	Wigan	−0·79	46·4	*3·18*	1	3,147
Northampton	−0·81	45·5	*2·22*	1	4,503	Bristol	−0·75	78·0	*5·34*	9	16,846
Manchester	−0·78	80·5	*3·93*	13	33,069	Croydon	−0·72	72·6	*4·97*	5	10,060
York	−0·77	47·0	*2·30*	1	4,354	Bolton	−0·65	68·7	*4·71*	3	6,372
East Ham	−0·73	49·1	*2·40*	1	4,175	Smethwick	−0·65	53·0	*3·63*	1	2,756
West Hartlepool	−0·73	48·8	*2·38*	1	4,193	Wallasey	−0·61	65·3	*4·48*	2	4,468
Halifax	−0·69	50·9	*2·49*	1	4,020	Worcester	−0·59	55·8	*3·83*	1	2,614
Doncaster	−0·65	52·8	*2·58*	1	3,878	Southport	−0·56	57·4	*3·94*	1	2,541
Barnsley	−0·58	56·5	*2·76*	1	3,623	Sunderland	−0·54	78·8	*5·39*	5	9,268
Burnley	−0·51	60·6	*2·96*	1	3,377	Dudley	−0·52	59·6	*4·08*	1	2,448
Huddersfield	−0·46	72·1	*3·52*	2	5,678	Burton upon Trent	−0·45	64·1	*4·39*	1	2,277
Sunderland	−0·41	81·7	*3·99*	4	10,033	Leeds	−0·44	88·5	*6·06*	13	21,450
Preston	−0·34	78·6	*3·84*	2	5,213	East Ham	−0·43	73·9	*5·06*	2	3,953
Smethwick	−0·34	71·1	*3·47*	1	2,880	Portsmouth	−0·43	82·5	*5·65*	5	8,850
South Shields	−0·34	78·4	*3·83*	2	5,223	Wakefield	−0·43	65·2	*4·47*	1	2,239
Sheffield	−0·33	89·6	*4·38*	9	20,562	Oxford	−0·41	74·8	*5·12*	2	3,904
West Ham	−0·31	83·5	*4·08*	3	7,359	Halifax	−0·39	75·7	*5·19*	2	3,855
Plymouth	−0·30	85·9	*4·19*	4	9,537	Birkenhead	−0·24	88·8	*6·08*	4	6,579
Southport	−0·28	75·6	*3·69*	1	2,709	Wolverhampton	−0·21	90·0	*6·17*	4	6,486
Oldham	−0·26	83·0	*4·05*	2	4,937	Ipswich	−0·20	88·9	*6·09*	3	4,926
Merthyr Tydfil	−0·23	79·6	*3·89*	1	2,574	Barnsley	−0·15	90·0	*6·16*	2	3,245
Wakefield	−0·16	85·0	*4·15*	1	2,409	Lincoln	−0·15	89·6	*6·14*	2	3,257
West Bromwich	−0·12	91·7	*4·48*	2	4,466	Gloucester	−0·13	91·2	*6·24*	2	3,203

Bournemouth	−0·11	92·6	*4·52*	2	4,425
Stockport	−0·03	98·4	*4·80*	3	6,247
Oxford	0·01	100·7	*4·92*	2	4,066
Cardiff	0·02	100·7	*4·92*	6	12,201
Great Yarmouth	0·04	103·9	*5·07*	1	1,971
Leicester	0·04	101·6	*4·96*	6	12,095
Rotherham	0·06	104·4	*5·10*	2	3,923
Bradford	0·08	103·2	*5·04*	7	13,888
Brighton	0·09	105·0	*5·13*	3	5,850
Salford	0·12	106·1	*5·18*	4	7,725
Reading	0·21	112·7	*5·50*	3	5,452
Warrington	0·23	117·3	*5·73*	2	3,493
Gloucester	0·27	121·4	*5·93*	2	3,374
Swansea	0·27	114·7	*5·60*	4	7,141
Newcastle upon Tyne	0·30	112·1	*5·47*	7	12,791
Wigan	0·33	126·4	*6·17*	2	3,241
Newport	0·33	121·0	*5·91*	3	5,076
St. Helens	0·37	124·0	*6·06*	3	4,954
Bristol	0·39	113·1	*5·52*	10	18,104
Bolton	0·40	122·3	*5·97*	4	6,697
Canterbury	0·53	168·3	*8·22*	1	1,217
Worcester	0·57	149·1	*7·28*	2	2,747
Birmingham	0·58	111·3	5·43	29	53,379
Bury	0·62	154·6	*7·55*	2	2,649
Nottingham	0·62	122·8	*5·99*	9	15,014
Portsmouth	0·64	129·7	*6·33*	6	9,478
Liverpool	0·83	118·4	5·78	24	41,510
Gateshead	0·89	155·8	*7·61*	4	5,259
Leeds	0·90	127·2	*6·21*	14	22,534
Rochdale	0·92	168·6	*8·23*	3	3,644
Coventry	0·93	134·1	*6·55*	10	15,272
Darlington	0·98	174·5	*8·52*	3	3,522
Hastings	1·02	202·6	*9·89*	2	2,022
Bath	1·13	189·8	*9·27*	3	3,237
Birkenhead	1·36	173·0	*8·45*	6	7,104
Dewsbury	1·72	259·7	*12·68*	3	2,366
Carlisle	1·76	235·0	*11·47*	4	3,486
Stoke-on-Trent	1·93	182·3	*8·90*	10	11,235
Walsall	1·95	217·7	*10·63*	6	5,644
Chester	2·29	298·0	*14·55*	4	2,749
Lincoln	2·60	302·5	*14·77*	5	3,385
Bootle	2·85	280·1	*13·68*	7	5,118

Grimsby	−0·13	92·7	*6·35*	3	4,726
Newcastle upon Tyne	−0·11	96·2	*6·59*	8	12,136
Stockport	−0·05	97·3	*6·67*	4	5,999
Manchester	−0·03	99·3	6·80	21	30,880
Norwich	−0·03	98·2	*6·73*	3	4,458
York	0·06	103·7	*7·10*	3	4,225
Swansea	0·19	109·0	*7·47*	5	6,697
Canterbury	0·25	128·3	*8·79*	1	1,138
Liverpool	0·28	105·5	7·23	28	38,739
Merthyr Tydfil	0·30	123·3	*8·45*	2	2,367
Reading	0·31	116·7	*7·99*	4	5,004
Rochdale	0·37	124·0	*8·50*	3	3,531
Gateshead	0·42	123·4	*8·46*	4	4,730
Darlington	0·43	127·9	*8·76*	3	3,424
Salford	0·45	120·0	*8·22*	6	7,300
Warrington	0·58	139·4	*9·55*	3	3,141
West Bromwich	0·63	136·8	*9·37*	4	4,269
Bath	0·66	146·4	*10·03*	3	2,991
Bournemouth	0·68	140·4	*9·62*	4	4,158
Great Yarmouth	0·68	161·5	*11·06*	2	1,808
Exeter	0·75	153·8	*10·54*	3	2,847
Nottingham	0·77	125·0	*8·56*	12	14,017
Eastbourne	0·90	186·6	*12·78*	2	1,565
Oldham	0·93	151·0	*10·34*	5	4,834
Newport	0·96	153·4	*10·51*	5	4,759
Bootle	0·98	154·8	*10·60*	5	4,715
St. Helens	1·03	157·8	*10·81*	5	4,626
Dewsbury	1·11	188·1	*12·89*	3	2,328
Stoke-on-Trent	1·12	142·1	*9·74*	10	10,272
Leicester	1·18	142·5	*9·76*	11	11,267
Southampton	1·18	148·1	*10·14*	9	8,874
Tynemouth	1·23	183·5	*12·51*	4	3,182
Burnley	1·24	183·8	*12·59*	4	3,177
Middlesbrough	1·29	153·1	*10·49*	9	8,582
Southend	1·69	187·6	*12·85*	7	5,447
Chester	1·72	231·0	*15·82*	4	2,528
Kingston upon Hull	1·73	155·9	*10·68*	15	14,049
Preston	1·98	208·1	*14·25*	7	4,911
Brighton	2·27	218·3	*14·96*	8	5,349
Barrow	2·46	285·6	*19·56*	5	2,556
Derby	2·87	251·5	*17·23*	9	5,224
South Shields	2·97	259·3	*17·76*	9	5,067

Table CXXIII—*continued*

(E) Other malformations of nervous system and sense organs (ICD No. 753)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**0·82**	**51**	**620,580**	**Total**	**0·00**	**100·0**	**1·27**	**74**	**583,891**
Leeds	−1·36	0·0	—	—	22,534	Coventry	−1·34	0·0	—	—	14,165
Bristol	−1·22	0·0	—	—	18,104	Kingston upon Hull	−1·33	0·0	—	—	14,049
Coventry	−1·12	0·0	—	—	15,272	Croydon	−1·13	0·0	—	—	10,060
Nottingham	−1·11	0·0	—	—	15,014	Sunderland	−1·08	0·0	—	—	9,268
Bradford	−1·07	0·0	—	—	13,888	Middlesbrough	−1·04	0·0	—	—	8,582
Leicester	−1·00	0·0	—	—	12,095	Salford	−0·96	0·0	—	—	7,300
Croydon	−0·92	0·0	—	—	10,323	Swansea	−0·92	0·0	—	—	6,697
Plymouth	−0·89	0·0	—	—	9,537	Birkenhead	−0·91	0·0	—	—	6,579
Middlesbrough	−0·87	0·0	—	—	9,108	Bolton	−0·90	0·0	—	—	6,372
Salford	−0·80	0·0	—	—	7,725	Huddersfield	−0·83	0·0	—	—	5,417
West Ham	−0·78	0·0	—	—	7,359	Southend	−0·83	0·0	—	—	5,447
Swansea	−0·77	0·0	—	—	7,141	Brighton	−0·82	0·0	—	—	5,349
Birkenhead	−0·76	0·0	—	—	7,104	Walsall	−0·82	0·0	—	—	5,298
Stockport	−0·72	0·0	—	—	6,247	Reading	−0·80	0·0	—	—	5,004
Brighton	−0·69	0·0	—	—	5,850	Ipswich	−0·79	0·0	—	—	4,926
Southend	−0·69	0·0	—	—	5,765	Preston	−0·79	0·0	—	—	4,911
Walsall	−0·68	0·0	—	—	5,644	Bristol	−0·78	46·8	*0·59*	1	16,846
Reading	−0·67	0·0	—	—	5,452	Newport	−0·78	0·0	—	—	4,759
Gateshead	−0·66	0·0	—	—	5,259	Bootle	−0·77	0·0	—	—	4,715
South Shields	−0·66	0·0	—	—	5,223	Gateshead	−0·77	0·0	—	—	4,730
Bootle	−0·65	0·0	—	—	5,118	Grimsby	−0·77	0·0	—	—	4,726
Preston	−0·65	0·0	—	—	5,213	St. Helens	−0·77	0·0	—	—	4,626
Grimsby	−0·63	0·0	—	—	4,906	Norwich	−0·75	0·0	—	—	4,458
Norwich	−0·63	0·0	—	—	4,777	Wallasey	−0·75	0·0	—	—	4,468
Wallasey	−0·63	0·0	—	—	4,822	West Bromwich	−0·74	0·0	—	—	4,269
Blackpool	−0·62	0·0	—	—	4,730	Bournemouth	−0·73	0·0	—	—	4,158
Northampton	−0·61	0·0	—	—	4,503	Northampton	−0·73	0·0	—	—	4,153
Blackburn	−0·60	0·0	—	—	4,319	York	−0·73	0·0	—	—	4,225
Bournemouth	−0·60	0·0	—	—	4,425	East Ham	−0·71	0·0	—	—	3,953
York	−0·60	0·0	—	—	4,354	West Hartlepool	−0·71	0·0	—	—	3,958
Oxford	−0·58	0·0	—	—	4,066	Doncaster	−0·69	0·0	—	—	3,755
Halifax	−0·57	0·0	—	—	4,020	Rochdale	−0·67	0·0	—	—	3,531
Rotherham	−0·57	0·0	—	—	3,923	Darlington	−0·66	0·0	—	—	3,424
Darlington	−0·54	0·0	—	—	3,522	Barnsley	−0·64	0·0	—	—	3,245
Warrington	−0·54	0·0	—	—	3,493	Carlisle	−0·64	0·0	—	—	3,234
Burnley	−0·53	0·0	—	—	3,377	Gloucester	−0·64	0·0	—	—	3,203
Gloucester	−0·53	0·0	—	—	3,374	Lincoln	−0·64	0·0	—	—	3,257
Lincoln	−0·53	0·0	—	—	3,385	Warrington	−0·63	0·0	—	—	3,141
Sheffield	−0·53	*59·2*	*0·49*	1	20,562	Wigan	−0·63	0·0	—	—	3,147
Bath	−0·52	0·0	—	—	3,237	Exeter	−0·60	0·0	—	—	2,847
Wigan	−0·52	0·0	—	—	3,241	Smethwick	−0·59	0·0	—	—	2,756

Exeter	−0·50	0·0	—	—	3,057	Nottingham	−0·58	56·3	*0·71*	1	14,017
Smethwick	−0·49	0·0	—	—	2,880	Barrow	−0·57	0·0	—	—	2,556
Barrow	−0·48	0·0	—	—	2,826	Southport	−0·57	0·0	—	—	2,541
Worcester	−0·48	0·0	—	—	2,747	Bury	−0·56	0·0	—	—	2,473
Bury	−0·47	0·0	—	—	2,649	Dudley	−0·56	0·0	—	—	2,448
Dudley	−0·46	0·0	—	—	2,582	Merthyr Tydfil	−0·55	0·0	—	—	2,367
Merthyr Tydfil	−0·46	0·0	—	—	2,574	Burton upon Trent	−0·54	0·0	—	—	2,277
Burton upon Trent	−0·44	0·0	—	—	2,358	Dewsbury	−0·54	0·0	—	—	2,328
Wakefield	−0·44	0·0	—	—	2,409	Wakefield	−0·53	0·0	—	—	2,239
Hastings	−0·41	0·0	—	—	2,022	Bradford	−0·51	60·6	*0·77*	1	13,016
Gt. Yarmouth	−0·40	0·0	—	—	1,971	Gt. Yarmouth	−0·48	0·0	—	—	1,808
Eastbourne	−0·36	0·0	—	—	1,620	Eastbourne	−0·45	0·0	—	—	1,565
Canterbury	−0·32	0·0	—	—	1,217	Newcastle upon Tyne	−0·43	65·0	*0·82*	1	12,136
Kingston upon Hull	−0·21	80·8	*0·66*	1	15,053	Canterbury	−0·38	0·0	—	—	1,138
Birmingham	−0·18	91·2	*0·75*	4	53,379	Leicester	−0·36	70·0	*0·89*	1	11,267
Newcastle upon Tyne	−0·05	95·1	*0·78*	1	12,791	Plymouth	−0·13	88·1	*1·12*	1	8,954
Cardiff	0·00	99·7	*0·82*	1	12,201	Southampton	−0·12	88·9	*1·13*	1	8,874
Stoke-on-Trent	0·08	108·3	*0·89*	1	11,235	Manchester	0·04	102·2	*1·30*	4	30,880
Sunderland	0·19	121·3	*1·00*	1	10,033	Wolverhampton	0·20	121·7	*1·54*	1	6,486
Southampton	0·28	132·1	*1·09*	1	9,211	South Shields	0·45	155·7	*1·97*	1	5,067
Wolverhampton	0·58	178·0	*1·46*	1	6,838	Stoke-on-Trent	0·61	153·6	*1·95*	2	10,272
Bolton	0·61	181·7	*1·49*	1	6,697	Blackburn	0·69	197·7	*2·51*	1	3,991
Manchester	0·78	147·2	*1·21*	4	33,069	Oxford	0·72	202·1	*2·56*	1	3,904
Ipswich	0·85	227·9	*1·87*	1	5,339	Rotherham	0·75	207·6	*2·63*	1	3,800
Liverpool	0·86	146·6	*1·20*	5	41,510	Leeds	0·78	147·1	*1·86*	4	21,450
Newport	0·90	239·7	*1·97*	1	5,076	Portsmouth	0·83	178·3	*2·26*	2	8,850
St. Helens	0·93	245·6	*2·02*	1	4,954	Burnley	0·94	248·4	*3·15*	1	3,177
East Ham	1·12	291·5	*2·40*	1	4,175	Tynemouth	0·94	248·0	*3·14*	1	3,182
Doncaster	1·21	313·8	*2·58*	1	3,878	Sheffield	0·98	162·4	*2·06*	4	19,440
Barnsley	1·29	335·9	*2·76*	1	3,623	Worcester	1·16	301·9	*3·83*	1	2,614
Carlisle	1·33	349·1	*2·87*	1	3,486	West Ham	1·17	223·9	*2·84*	2	7,048
Tynemouth	1·40	369·3	*3·03*	1	3,295	Chester	1·20	312·1	*3·96*	1	2,528
Southport	1·65	449·2	*3·69*	1	2,709	Stockport	1·42	263·1	*3·33*	2	5,999
Dewsbury	1·83	514·3	*4·23*	1	2,366	Hastings	1·53	409·7	*5·19*	1	1,926
Derby	2·27	435·1	*3·58*	2	5,594	Derby	1·64	302·1	*3·83*	2	5,224
Oldham	2·50	492·9	*4·05*	2	4,937	Oldham	1·77	326·5	*4·14*	2	4,834
Portsmouth	2·52	385·2	*3·17*	3	9,478	Birmingham	1·82	172·1	*2·18*	11	50,437
West Bromwich	2·70	544·9	*4·48*	2	4,466	Blackpool	1·91	354·4	*4·49*	2	4,453
West Hartlepool	2·82	580·4	*4·77*	2	4,193	Halifax	2·16	409·4	*5·19*	2	3,855
Rochdale	3·11	667·9	*5·49*	2	3,644	Bath	2·63	527·7	*6·69*	2	2,991
Huddersfield	3·71	642·9	*5·28*	3	5,678	Liverpool	2·75	224·1	*2·84*	11	38,739
Chester	5·84	327·9	*10·91*	3	2,749	Cardiff	2·88	336·3	*4·26*	5	11,732

Table CXXIII—*continued*

(F) Congenital malformations of circulatory system (ICD No. 754)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**19·77**	**1,227**	**620,580**	**Total**	**0·00**	**100·0**	**16·08**	**939**	**583,891**
Kingston upon Hull	−1·97	63·8	*12·62*	19	15,053	Bradford	−2·39	47·8	*7·68*	10	13,016
Middlesbrough	−1·89	55·5	*10·98*	10	9,108	Stockport	−1·82	41·5	*6·67*	4	5,999
Wakefield	−1·72	21·0	*4·15*	1	2,409	Bath	−1·74	20·8	*3·34*	1	2,991
Smethwick	−1·55	35·1	*6·94*	2	2,880	Gateshead	−1·67	39·4	*6·34*	3	4,730
Sunderland	−1·54	65·5	*12·96*	13	10,033	Manchester	−1·65	76·5	12·31	38	30,880
Darlington	−1·50	43·1	*8·52*	3	3,522	Southend	−1·61	45·7	*7·34*	4	5,447
West Hartlepool	−1·49	48·2	*9·54*	4	4,193	Dudley	−1·48	25·4	*4·08*	1	2,448
Great Yarmouth	−1·47	25·7	*5·07*	1	1,971	Oxford	−1·31	47·8	*7·68*	3	3,904
Ipswich	−1·40	56·8	*11·24*	6	5,339	Leeds	−1·28	78·3	12·59	27	21,450
Bradford	−1·23	76·5	15·12	21	13,888	Southampton	−1·13	70·1	*11·27*	10	8,874
East Ham	−1·13	60·6	*11·98*	5	4,175	Middlesbrough	−1·02	72·5	*11·65*	10	8,582
Blackpool	−1·10	64·2	*12·68*	6	4,730	West Ham	−0·99	70·6	*11·35*	8	7,048
Tynemouth	−0·99	61·4	*12·14*	4	3,295	Kingston upon Hull	−0·97	79·7	*12·81*	18	14,049
Huddersfield	−0·96	71·3	*14·09*	8	5,678	Blackburn	−0·95	62·3	*10·02*	4	3,991
Liverpool	−0·89	90·2	17·83	74	41,510	West Hartlepool	−0·94	62·8	*10·11*	4	3,958
Stoke-on-Trent	−0·89	81·0	*16·02*	18	11,235	St. Helens	−0·89	67·2	*10·81*	5	4,626
York	−0·89	69·7	*13·78*	6	4,354	Walsall	−0·86	70·4	*11·33*	6	5,298
Leeds	−0·83	87·5	17·31	39	22,534	Swansea	−0·84	74·3	*11·95*	8	6,697
Barnsley	−0·81	69·8	*13·80*	5	3,623	South Shields	−0·75	73·6	*11·84*	6	5,067
Dewsbury	−0·78	64·1	*12·68*	3	2,366	York	−0·69	73·6	*11·83*	5	4,225
Wolverhampton	−0·69	81·4	*16·09*	11	6,838	Smethwick	−0·68	67·7	*10·89*	3	2,756
Nottingham	−0·68	87·6	17·32	26	15,014	Stoke-on-Trent	−0·62	84·8	*13·63*	14	10,272
Barrow	−0·67	71·6	*14·15*	4	2,826	Canterbury	−0·61	54·6	*8·79*	1	1,138
Stockport	−0·67	81·0	*16·01*	10	6,247	Newcastle upon Tyne	−0·57	87·1	*14·01*	17	12,136
Burnley	−0·65	74·9	*14·81*	5	3,377	Lincoln	−0·54	76·4	*12·28*	4	3,257
Gloucester	−0·65	75·0	*14·82*	5	3,374	Barnsley	−0·53	76·7	*12·33*	4	3,245
Bath	−0·55	78·1	*15·45*	5	3,237	Salford	−0·51	85·2	*13·70*	10	7,300
Reading	−0·54	83·5	*16·51*	9	5,452	Burnley	−0·49	78·3	*12·59*	4	3,177
Rochdale	−0·45	83·3	*16·47*	6	3,644	Bury	−0·49	75·4	*12·13*	3	2,473
Birmingham	−0·44	95·7	18·92	101	53,379	Rotherham	−0·45	81·8	*13·16*	5	3,800
Gateshead	−0·43	86·6	*17·11*	9	5,259	Blackpool	−0·43	83·8	*13·47*	6	4,453
Salford	−0·33	91·7	*18·12*	14	7,725	Dewsbury	−0·38	80·1	*12·89*	3	2,328
Northampton	−0·30	89·9	*17·77*	8	4,503	Coventry	−0·37	92·2	14·83	21	14,165
Lincoln	−0·27	89·6	*17·73*	6	3,385	Birmingham	−0·35	96·2	15·46	78	50,437
Rotherham	−0·27	90·2	*17·84*	7	3,923	Nottingham	−0·32	93·2	14·98	21	14,017
Canterbury	−0·26	83·1	*16·43*	2	1,217	Newport	−0·24	91·5	*14·71*	7	4,759
Sheffield	−0·26	95·9	18·97	39	20,562	Sunderland	−0·23	93·9	*15·11*	14	9,268
Cardiff	−0·23	95·3	18·85	23	12,201	East Ham	−0·14	94·4	*15·18*	6	3,953
Plymouth	−0·20	95·5	*18·87*	18	9,537	Portsmouth	−0·06	98·4	*15·82*	14	8,850
Wallasey	−0·17	94·4	*18·66*	9	4,822	Sheffield	−0·05	99·2	15·95	31	19,440
Croydon	−0·09	98·0	19·37	20	10,323	Tynemouth	−0·05	97·7	*15·71*	5	3,182

Warrington	0·04	101·4	*20·04*	7	3,493	Croydon	−0·04	98·9	*15·90*	16	10,060
Oldham	0·08	102·4	*20·26*	10	4,937	Wigan	−0·03	98·8	*15·89*	5	3,147
Grimsby	0·10	103·1	*20·38*	10	4,906	Doncaster	−0·02	99·4	*15·98*	6	3,755
Blackburn	0·16	105·4	*20·84*	9	4,319	Cardiff	0·03	100·7	*16·20*	19	11,732
Chester	0·24	110·4	*21·83*	6	2,749	Great Yarmouth	0·05	103·2	*16·59*	3	1,808
Worcester	0·24	110·5	*21·84*	6	2,747	Oldham	0·08	102·9	*16·55*	8	4,834
Bootle	0·28	108·7	*21·49*	11	5,118	Northampton	0·12	104·8	*16·86*	7	4,153
Derby	0·28	108·5	*21·45*	12	5,594	Plymouth	0·16	104·2	*16·75*	15	8,954
Portsmouth	0·29	106·7	21·10	20	9,478	Wolverhampton	0·18	105·5	*16·96*	11	6,486
West Ham	0·38	110·0	*21·74*	16	7,359	Halifax	0·32	112·9	*18·16*	7	3,855
Exeter	0·39	115·8	*22·90*	7	3,057	Reading	0·34	111·8	*17·99*	9	5,004
Merthyr Tydfil	0·40	117·9	*23·31*	6	2,574	Worcester	0·39	118·9	*19·13*	5	2,614
Brighton	0·42	112·4	*22·22*	13	5,850	Warrington	0·42	118·8	*19·10*	6	3,141
Carlisle	0·42	116·1	*22·95*	8	3,486	West Bromwich	0·43	116·5	*18·74*	8	4,269
Southampton	0·42	109·8	21·71	20	9,211	Barrow	0·44	121·6	*19·56*	5	2,556
Southend	0·47	114·1	*22·55*	13	5,765	Southport	0·45	122·4	*19·68*	5	2,541
South Shields	0·52	116·2	*22·98*	12	5,223	Grimsby	0·51	118·4	*19·04*	9	4,726
Walsall	0·55	116·5	*23·03*	13	5,644	Hastings	0·51	129·1	*20·77*	4	1,926
Wigan	0·63	124·8	*24·68*	8	3,241	Rochdale	0·55	123·3	*19·82*	7	3,531
Swansea	0·77	120·4	*23·81*	17	7,141	Liverpool	0·60	107·6	17·30	67	38,739
Manchester	0·82	110·1	21·77	72	33,069	Exeter	0·66	131·0	*21·07*	6	2,847
Doncaster	0·84	130·4	*25·79*	10	3,878	Burton upon Trent	0·70	136·5	*21·96*	5	2,277
Coventry	0·87	115·9	22·92	35	15,272	Carlisle	0·79	134·6	*21·65*	7	3,234
Newport	0·94	129·5	*25·61*	13	5,076	Gloucester	0·81	135·9	*21·85*	7	3,203
Eastbourne	1·00	156·1	*30·86*	5	1,620	Bootle	0·88	131·9	*21·21*	10	4,715
Bristol	1·04	117·3	23·20	42	18,104	Wallasey	1·05	139·2	*22·38*	10	4,468
Burton upon Trent	1·08	150·1	*29·69*	7	2,358	Huddersfield	1·11	137·8	*22·15*	12	5,417
Southport	1·14	149·4	*25·53*	8	2,709	Merthyr Tydfil	1·12	157·6	*25·35*	6	2,367
Bury	1·21	152·7	*30·20*	8	2,649	Brighton	1·16	139·5	*22·43*	12	5,349
Leicester	1·24	125·4	24·80	30	12,095	Derby	1·24	142·8	*22·97*	12	5,224
Dudley	1·28	156·7	*30·98*	8	2,582	Wakefield	1·26	166·6	*26·80*	6	2,239
Bolton	1·31	135·9	*26·88*	18	6,697	Bournemouth	1·28	149·6	*24·05*	10	4,158
Newcastle upon Tyne	1·33	126·5	25·02	32	12,791	Birkenhead	1·36	141·8	*22·80*	15	6,579
West Bromwich	1·40	147·2	*29·11*	13	4,466	Norwich	1·43	153·4	*24·67*	11	4,458
Bournemouth	1·44	148·6	*29·38*	13	4,425	Ipswich	1·80	164·1	*26·39*	13	4,926
Norwich	1·48	148·2	*29·31*	14	4,777	Darlington	1·92	181·6	*29·21*	10	3,424
Birkenhead	1·59	142·4	28·15	20	7,104	Leicester	2·09	149·0	23·96	27	11,267
Oxford	1·75	161·7	*31·97*	13	4,066	Bristol	2·29	144·0	23·15	39	16,846
St. Helens	1·98	163·3	*32·30*	16	4,954	Bolton	2·73	185·4	*29·82*	19	6,372
Hastings	2·00	200·1	*39·56*	8	2,022	Eastbourne	2·83	278·1	*44·73*	7	1,565
Preston	2·40	174·6	*34·53*	18	5,213	Preston	2·88	202·6	*32·58*	16	4,911
Halifax	2·50	188·7	*37·31*	15	4,020	Chester	3·44	270·6	*43·51*	11	2,528

Table CXXIII—*continued*

(G) Congenital malformations of digestive system (ICD No. 756)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**6·25**	**388**	**620,580**	**Total**	**0·00**	**100·0**	**3·92**	**229**	**583,891**
Birmingham	−2·14	62·9	3·93	21	53,379	Croydon	−1·48	25·3	*0·99*	1	10,060
Liverpool	−1·76	65·5	*4·10*	17	41,510	Ipswich	−1·39	—	—	—	4,926
West Hartlepool	−1·62	—	—	—	4,193	Northampton	−1·28	—	—	—	4,153
Bradford	−1·59	46·1	*2·88*	4	13,888	Rotherham	−1·22	—	—	—	3,800
Warrington	−1·48	—	—	—	3,493	Rochdale	−1·18	—	—	—	3,531
Gloucester	−1·45	—	—	—	3,374	Burnley	−1·12	—	—	—	3,177
Brighton	−1·39	27·3	*1·71*	1	5,850	Tynemouth	−1·12	—	—	—	3,182
Southport	−1·30	—	—	—	2,709	Exeter	−1·06	—	—	—	2,847
Dewsbury	−1·22	—	—	—	2,366	West Ham	−1·06	36·2	*1·42*	1	7,048
Hastings	−1·12	—	—	—	2,022	Smethwick	−1·04	—	—	—	2,756
Bolton	−1·07	47·8	*2·99*	2	6,697	Barrow	−1·00	—	—	—	2,556
Leicester	−0·93	66·1	*4·13*	5	12,095	Southport	−1·00	—	—	—	2,541
Rotherham	−0·93	40·8	*2·55*	1	3,923	Merthyr Tydfil	−0·96	—	—	—	2,367
Doncaster	−0·91	41·2	*2·58*	1	3,878	Hastings	−0·87	—	—	—	1,926
Southend	−0·85	55·5	*3·47*	2	5,765	Great Yarmouth	−0·84	—	—	—	1,808
Barnsley	−0·84	44·1	*2·76*	1	3,623	Leeds	−0·83	71·3	*2·80*	6	21,450
West Ham	−0·75	65·2	*4·08*	3	7,359	Plymouth	−0·81	57·0	*2·23*	2	8,954
Tynemouth	−0·74	48·5	*3·03*	1	3,295	Southend	−0·78	46·8	*1·84*	1	5,447
Wigan	−0·72	49·4	*3·09*	1	3,241	Cardiff	−0·75	65·2	*2·56*	3	11,732
Middlesbrough	−0·71	70·2	*4·39*	4	9,108	Canterbury	−0·67	—	—	—	1,138
South Shields	−0·70	61·2	*3·83*	2	5,223	Leicester	−0·67	67·9	*2·66*	3	11,267
Bristol	−0·69	79·5	*4·97*	9	18,104	Nottingham	−0·64	72·8	*2·85*	4	14,017
Bootle	−0·67	62·5	*3·91*	2	5,118	Bristol	−0·63	75·7	*2·97*	5	16,846
Newport	−0·66	63·0	*3·94*	2	5,076	Grimsby	−0·63	54·0	*2·12*	1	4,726
Smethwick	−0·60	55·5	*3·47*	1	2,880	St. Helens	−0·60	55·1	*2·16*	1	4,626
Leeds	−0·56	85·2	*5·33*	12	22,534	Blackpool	−0·56	57·3	*2·25*	1	4,453
Sunderland	−0·51	79·7	*4·98*	5	10,033	West Bromwich	−0·52	59·7	*2·34*	1	4,269
Northampton	−0·49	71·0	*4·44*	2	4,503	York	−0·51	60·4	*2·37*	1	4,225
Dudley	−0·48	61·9	*3·87*	1	2,582	Bournemouth	−0·49	61·3	*2·41*	1	4,158
Bournemouth	−0·46	72·3	*4·52*	2	4,425	Blackburn	−0·45	63·9	*2·51*	1	3,991
Nottingham	−0·45	85·2	*5·33*	8	15,014	East Ham	−0·44	64·5	*2·53*	1	3,953
East Ham	−0·38	76·6	*4·79*	2	4,175	Birkenhead	−0·36	77·5	*3·04*	2	6,579
Salford	−0·38	82·8	*5·18*	4	7,725	Wolverhampton	−0·34	78·6	*3·08*	2	6,486
Oxford	−0·34	78·7	*4·92*	2	4,066	Sunderland	−0·33	82·5	*3·24*	3	9,268
Southampton	−0·32	86·8	*5·43*	5	9,211	Bolton	−0·32	80·0	*3·14*	2	6,372
Huddersfield	−0·29	84·5	*5·28*	3	5,678	Darlington	−0·30	74·5	*2·92*	1	3,424
Cardiff	−0·23	91·8	*5·74*	7	12,201	Southampton	−0·26	86·2	*3·38*	3	8,874
Birkenhead	−0·21	90·1	*5·63*	4	7,104	Lincoln	−0·25	78·3	*3·07*	1	3,257
Great Yarmouth	−0·21	81·1	*5·07*	1	1,971	Portsmouth	−0·25	86·4	*3·39*	3	8,850
Rochdale	−0·18	87·8	*5·49*	2	3,644	Carlisle	−0·24	78·8	*3·09*	1	3,234
Wolverhampton	−0·13	93·6	*5·85*	4	6,838	Coventry	−0·24	90·0	*3·53*	5	14,165

Carlisle	−0·12	91·8	*5·74*	2	3,486	Birmingham	−0·18	96·1	*3·77*	19	50,437
Bath	−0·02	98·8	*6·18*	2	3,237	Bath	−0·16	85·3	*3·34*	1	2,991
Eastbourne	−0·01	98·7	*6·17*	1	1,620	Worcester	−0·02	97·5	*3·83*	1	2,614
Exeter	0·06	104·6	*6·54*	2	3,057	Chester	0·01	100·9	*3·96*	1	2,528
Coventry	0·15	104·7	*6·55*	10	15,272	South Shields	0·01	100·6	*3·95*	2	5,067
Barrow	0·18	113·2	*7·08*	2	2,826	Reading	0·03	101·9	*4·00*	2	5,004
Chester	0·21	116·4	*7·28*	2	2,749	Dudley	0·04	104·2	*4·08*	1	2,448
Croydon	0·21	108·5	*6·78*	7	10,323	Dewsbury	0·09	109·5	*4·30*	1	2,328
Swansea	0·25	112·0	*7·00*	5	7,141	Bootle	0·11	108·2	*4·24*	2	4,715
Bury	0·27	120·8	*7·55*	2	2,649	Gateshead	0·11	107·8	*4·23*	2	4,730
Canterbury	0·27	131·4	*8·22*	1	1,217	Newcastle upon Tyne	0·11	105·1	*4·12*	5	12,136
Derby	0·27	114·4	*7·15*	4	5,594	Wakefield	0·13	113·9	*4·47*	1	2,239
Halifax	0·31	119·4	*7·46*	3	4,020	Sheffield	0·14	104·9	*4·12*	8	19,440
Merthyr Tydfil	0·31	124·3	*7·77*	2	2,574	Norwich	0·19	114·4	*4·49*	2	4,458
Reading	0·32	117·3	*7·34*	4	5,452	West Hartlepool	0·36	128·8	*5·05*	2	3,958
Ipswich	0·36	119·8	*7·49*	4	5,339	Oxford	0·38	130·6	*5·12*	2	3,904
Stoke-on-Trent	0·37	113·9	*7·12*	8	11,235	Stockport	0·42	127·5	*5·00*	3	5,999
Gateshead	0·39	121·7	*7·61*	4	5,259	Doncaster	0·43	135·8	*5·33*	2	3,755
Wakefield	0·40	132·8	*8·30*	2	2,409	Liverpool	0·46	111·9	*4·39*	17	38,739
Plymouth	0·42	117·4	*7·34*	7	9,537	Stoke-on-Trent	0·48	124·1	*4·87*	5	10,272
Burton upon Trent	0·43	135·7	*8·48*	2	2,358	Huddersfield	0·60	141·2	*5·54*	3	5,417
St. Helens	0·51	129·1	*8·07*	4	4,954	Brighton	0·62	143·0	*5·61*	3	5,349
Sheffield	0·60	116·7	*7·30*	15	20,562	Kingston upon Hull	0·63	127·0	*4·98*	7	14,049
Newcastle upon Tyne	0·71	125·0	*7·82*	10	12,791	Walsall	0·64	144·4	*5·66*	3	5,298
Portsmouth	0·85	135·0	*8·44*	8	9,478	Derby	0·66	146·4	*5·74*	3	5,224
Manchester	0·95	120·9	*7·56*	25	33,069	Gloucester	0·66	159·2	*6·24*	2	3,203
Worcester	0·98	174·7	*10·92*	3	2,747	Salford	0·67	139·7	*5·48*	4	7,300
Stockport	1·06	153·6	*9·60*	6	6,247	Wigan	0·69	162·0	*6·36*	2	3,147
Grimsby	1·10	163·0	*10·19*	5	4,906	Oldham	0·80	158·2	*6·21*	3	4,834
Wallasey	1·14	165·8	*10·37*	5	4,822	Newport	0·83	160·7	*6·30*	3	4,759
Darlington	1·21	181·7	*11·36*	4	3,522	Bradford	0·84	137·1	*5·38*	7	13,016
Lincoln	1·29	189·0	*11·82*	4	3,385	Middlesbrough	0·89	148·6	*5·83*	5	8,582
Burnley	1·30	189·5	*11·84*	4	3,377	Burton upon Trent	1·17	224·0	*8·78*	2	2,277
West Bromwich	1·32	179·1	*11·20*	5	4,466	Halifax	1·21	198·4	*7·78*	3	3,855
Preston	1·52	184·1	*11·51*	6	5,213	Swansea	1·46	190·4	*7·47*	5	6,697
Oldham	1·66	194·4	*12·15*	6	4,937	Preston	1·49	207·7	*8·14*	4	4,911
Norwich	1·74	200·9	*12·56*	6	4,777	Barnsley	1·53	235·7	*9·24*	3	3,245
Blackburn	2·01	222·2	*13·89*	6	4,319	Manchester	1·69	148·6	*5·83*	18	30,880
Blackpool	2·35	236·7	*14·80*	7	4,730	Wallasey	1·70	228·3	*8·95*	4	4,468
York	3·20	293·9	*18·37*	8	4,354	Eastbourne	1·77	325·9	*12·78*	2	1,565
Walsall	3·44	283·4	*17·72*	10	5,644	Bury	2·06	309·3	*12·13*	3	2,473
Kingston upon Hull	3·78	223·1	13·95	21	15,053	Warrington	2·49	324·7	*12·73*	4	3,141

Table CXXIII—*continued*

(H) Congenital malformations of genito-urinary system (ICD No. 757)

County boroughs	Males					County boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**2·79**	**173**	**620,580**	**Total**	**0·00**	**100·0**	**1·23**	**72**	**583,891**
Plymouth	−1·63	—	—	—	9,537	Nottingham	−1·31	—	—	—	14,017
Nottingham	−1·56	23·9	*0·67*	1	15,014	Newcastle upon Tyne	−1·22	—	—	—	12,136
Bristol	−1·36	39·6	*1·10*	2	18,104	Leicester	−1·18	—	—	—	11,267
Cardiff	−1·30	29·4	*0·82*	1	12,201	Sunderland	−1·07	—	—	—	9,268
Newport	−1·19	—	—	—	5,076	Plymouth	−1·05	—	—	—	8,954
Northampton	−1·12	—	—	—	4,503	Southampton	−1·05	—	—	—	8,874
Bournemouth	−1·11	—	—	—	4,425	Middlesbrough	−1·03	—	—	—	8,582
Croydon	−1·11	34·7	*0·97*	1	10,323	Salford	−0·95	—	—	—	7,300
Blackburn	−1·10	—	—	—	4,319	Swansea	−0·91	—	—	—	6,697
York	−1·10	—	—	—	4,354	Bolton	−0·89	—	—	—	6,372
Sunderland	−1·07	35·8	*1·00*	1	10,033	Wolverhampton	−0·89	—	—	—	6,486
Manchester	−1·06	65·1	*1·81*	6	33,069	Southend	−0·82	—	—	—	5,447
Rochdale	−1·01	—	—	—	3,644	Brighton	−0·81	—	—	—	5,349
Warrington	−0·99	—	—	—	3,493	Walsall	−0·81	—	—	—	5,298
Gloucester	−0·97	—	—	—	3,374	Derby	−0·80	—	—	—	5,224
Exeter	−0·92	—	—	—	3,057	Reading	−0·79	—	—	—	5,004
Smethwick	−0·90	—	—	—	2,880	Oldham	−0·77	—	—	—	4,834
Barrow	−0·89	—	—	—	2,826	Gateshead	−0·76	—	—	—	4,730
Bury	−0·86	—	—	—	2,649	Grimsby	−0·76	—	—	—	4,726
Newcastle upon Tyne	−0·83	56·1	*1·56*	2	12,791	Norwich	−0·74	—	—	—	4,458
Burton upon Trent	−0·81	—	—	—	2,358	Bournemouth	−0·72	—	—	—	4,158
Dewsbury	−0·81	—	—	—	2,366	York	−0·72	—	—	—	4,225
Salford	−0·79	46·4	*1·29*	1	7,725	Blackburn	−0·70	—	—	—	3,991
Hastings	−0·75	—	—	—	2,022	Halifax	−0·69	—	—	—	3,855
Stoke-on-Trent	−0·64	63·9	*1·78*	2	11,235	Oxford	−0·69	—	—	—	3,904
Canterbury	−0·58	—	—	—	1,217	Doncaster	−0·68	—	—	—	3,755
Kingston upon Hull	−0·58	71·5	*1·99*	3	15,053	Darlington	−0·65	—	—	—	3,424
Stockport	−0·56	57·4	*1·60*	1	6,247	Barnsley	−0·63	—	—	—	3,245
Walsall	−0·46	63·6	*1·77*	1	5,644	Burnley	−0·63	—	—	—	3,177
Bradford	−0·44	77·5	*2·16*	3	13,888	Gloucester	−0·63	—	—	—	3,203
Reading	−0·42	65·8	*1·83*	1	5,452	Lincoln	−0·63	—	—	—	3,257
Portsmouth	−0·40	75·7	*2·11*	2	9,478	Warrington	−0·62	—	—	—	3,141
Gateshead	−0·38	68·2	*1·90*	1	5,259	Exeter	−0·59	—	—	—	2,847
South Shields	−0·38	68·7	*1·91*	1	5,223	Smethwick	−0·58	—	—	—	2,756
Bootle	−0·36	70·1	*1·95*	1	5,118	Worcester	−0·57	—	—	—	2,614
Middlesbrough	−0·34	78·8	*2·20*	2	9,108	Barrow	−0·56	—	—	—	2,556
Grimsby	−0·31	73·1	*2·04*	1	4,906	Chester	−0·56	—	—	—	2,528
Blackpool	−0·28	75·8	*2·11*	1	4,730	Kingston upon Hull	−0·56	57·7	*0·71*	1	14,049
West Bromwich	−0·22	80·3	*2·24*	1	4,466	Southport	−0·56	—	—	—	2.541
West Hartlepool	−0·16	85·6	*2·38*	1	4,193	Dewsbury	−0·54	—	—	—	2,328
East Ham	−0·15	85·9	*2·40*	1	4,175	Merthyr Tydfil	−0·54	—	—	—	2,367

Coventry	−0·12	94·0	*2·62*	4	15,272
Rotherham	−0·09	91·4	*2·55*	1	3,923
Doncaster	−0·08	92·5	*2·58*	1	3,878
West Ham	−0·04	97·5	*2·72*	2	7,359
Barnsley	−0·01	99·0	*2·76*	1	3,623
Birkenhead	0·01	101·0	*2·82*	2	7,104
Burnley	0·06	106·2	*2·96*	1	3,377
Bolton	0·10	107·1	*2·99*	2	6,697
Wigan	0·10	110·7	*3·09*	1	3,241
Southampton	0·27	116·8	*3·26*	3	9,211
Worcester	0·27	130·6	*3·64*	1	2,747
Southport	0·28	132·4	*3·69*	1	2,709
Brighton	0·29	122·6	*3·42*	2	5,850
Leeds	0·29	111·4	*3·11*	7	22,534
Southend	0·31	124·4	*3·47*	2	5,765
Dudley	0·33	138·9	*3·87*	1	2,582
Huddersfield	0·33	126·4	*3·52*	2	5,678
Merthyr Tydfil	0·33	139·4	*3·89*	1	2,574
Derby	0·35	128·3	*3·58*	2	5,594
Wakefield	0·40	148·9	*4·15*	1	2,409
Oldham	0·53	145·3	*4·05*	2	4,937
St. Helens	0·53	144·8	*4·04*	2	4,954
Sheffield	0·53	122·1	*3·40*	7	20,562
Birmingham	0·55	114·2	*3·18*	17	53,379
Norwich	0·58	150·2	*4·19*	2	4,777
Great Yarmouth	0·61	182·0	*5·07*	1	1,971
Swansea	0·72	150·7	*4·20*	3	7,141
Leicester	0·89	148·3	*4·13*	5	12,095
Lincoln	1·09	211·9	*5·91*	2	3,385
Tynemouth	1·13	217·7	*6·07*	2	3,295
Bath	1·16	221·6	*6·18*	2	3,237
Ipswich	1·24	201·6	*5·62*	3	5,339
Preston	1·28	206·4	*5·75*	3	5,213
Chester	1·41	261·0	*7·28*	2	2,749
Wallasey	1·43	223·2	*6·22*	3	4,822
Oxford	1·75	264·7	*7·38*	3	4,066
Halifax	1·78	267·7	*7·46*	3	4,020
Carlisle	2·06	308·7	*8·61*	3	3,486
Wolverhampton	2·24	262·3	*7·31*	5	6,838
Eastbourne	2·30	442·9	*12·35*	2	1,620
Liverpool	2·77	181·5	5·06	21	41,510
Darlington	3·05	407·4	*11·36*	4	3,522

Burton upon Trent	−0·53	—	—	—	2,277
Wakefield	−0·53	—	—	—	2,239
Hastings	−0·49	—	—	—	1,926
Bradford	−0·48	62·3	*0·77*	1	13,016
Great Yarmouth	−0·47	—	—	—	1,808
Sheffield	−0·26	83·4	*1·03*	2	19,440
Stoke-on-Trent	−0·24	78·9	*0·97*	1	10,272
Croydon	−0·22	80·6	*0·99*	1	10,060
Bristol	−0·05	96·3	*1·19*	2	16,846
Manchester	0·10	105·0	*1·30*	4	30,880
West Ham	0·14	115·1	*1·42*	1	7,048
Stockport	0·30	135·2	*1·67*	1	5,999
Birmingham	0·31	112·6	*1·39*	7	50,437
Huddersfield	0·41	149·7	*1·85*	1	5,417
South Shields	0·47	160·0	*1·97*	1	5,067
Ipswich	0·50	164·6	*2·03*	1	4,926
Preston	0·51	165·1	*2·04*	1	4,911
Newport	0·54	170·4	*2·10*	1	4,759
Bootle	0·55	172·0	*2·12*	1	4,715
St. Helens	0·57	175·3	*2·16*	1	4,626
Wallasey	0·60	181·5	*2·24*	1	4,468
Blackpool	0·61	182·1	*2·25*	1	4,453
West Bromwich	0·65	190·0	*2·34*	1	4,269
Northampton	0·68	195·3	*2·41*	1	4,153
East Ham	0·73	205·2	*2·53*	1	3,953
West Hartlepool	0·73	204·9	*2·53*	1	3,958
Rotherham	0·78	213·4	*2·63*	1	3,800
Carlisle	0·95	250·8	*3·09*	1	3,234
Coventry	0·95	171·8	*2·12*	3	14,165
Tynemouth	0·97	254·9	*3·14*	1	3,182
Wigan	0·98	257·7	*3·18*	1	3,147
Bath	1·04	271·1	*3·34*	1	2,991
Bury	1·26	327·9	*4·04*	1	2,473
Dudley	1·27	331·3	*4·08*	1	2,448
Cardiff	1·29	207·4	*2·56*	3	11,732
Portsmouth	1·83	274·9	*3·39*	3	8,850
Eastbourne	1·84	518·2	*6·39*	1	1,565
Liverpool	1·93	188·4	*2·32*	9	38,739
Leeds	2·06	226·8	*2·80*	6	21,450
Canterbury	2·29	712·6	*8·79*	1	1,138
Rochdale	2·37	459·3	*5·66*	2	3,531
Birkenhead	2·43	369·8	*4·56*	3	6,579

Table CXXIV. Congenital malformations, deaths under 1 year of age and death rates per 10,000 live births, Standardised Mortality Ratios and deviations from the average, 1958–1962, administrative counties

(A) All congenital malformations (ICD Nos. 750–759)

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**44·07**	**6,168**	**1,399,604**	**Total**	**0·00**	**100·0**	**43·49**	**5,742**	**1,320,163**
Surrey U.D.	−2·92	80·0	35·25	170	48,231	Middlesex U.D.	−3·23	83·2	36·21	310	85,623
Hertfordshire U.D.	−2·53	76·9	33·89	92	27,146	Essex U.D.	−3·09	81·3	35·34	221	62,530
Berkshire R.D.	−2·24	71·2	31·39	43	13,699	Sussex, West R.D.	−2·71	43·5	*18·90*	10	5,290
Bedfordshire U.D.	−2·07	72·7	32·04	42	13,109	Hertfordshire U.D.	−2·57	75·6	32·89	84	25,539
Kent U.D.	−2·02	86·8	38·25	203	53,066	Surrey U.D.	−2·31	83·7	36·39	167	45,893
Suffolk, West R.D.	−1·99	50·2	*22·12*	8	3,617	Yorkshire, N. Riding R.D.	−2·23	61·0	26·53	20	7,540
Lincolnshire, Kesteven U.D.	−1·91	34·8	*15·34*	3	1,956	Norfolk U.D.	−2·09	43·6	*18·96*	6	3,165
Hertfordshire R.D.	−1·85	72·6	32·00	33	10,314	Cambridgeshire R.D.	−2·02	51·6	*22·42*	9	4,014
Middlesex U.D.	−1·81	91·0	40·08	364	90,813	Buckinghamshire U.D.	−2·00	70·7	30·74	33	10,736
Huntingdonshire R.D.	−1·75	42·8	*18·86*	4	2,121	Merionethshire R.D.	−1·83	—	—	—	770
Essex U.D.	−1·66	90·3	39·82	267	67,057	Hampshire U.D.	−1·81	81·2	35·30	75	21,248
Leicestershire R.D.	−1·64	75·6	33·31	34	10,207	Suffolk, East R.D.	−1·69	62·8	*27·30*	13	4,762
Huntingdonshire U.D.	−1·48	48·4	*21·32*	4	1,876	Kent U.D.	−1·63	89·0	38·69	194	50,144
Gloucestershire R.D.	−1·46	81·9	36·09	53	14,684	Bedfordshire R.D.	−1·62	67·8	*29·47*	17	5,769
Surrey R.D.	−1·46	74·2	32·72	24	7,336	Breconshire U.D.	−1·61	—	—	—	596
Sussex, East U.D.	−1·46	72·8	32·09	21	6,545	Lincolnshire, Holland U.D.	−1·41	45·1	*19·63*	3	1,528
Buckinghamshire R.D.	−1·35	80·6	35·53	39	10,978	Anglesey R.D.	−1·41	38·3	*16·67*	2	1,200
London	−1·31	94·9	41·82	621	148.502	Lincolnshire, Kesteven U.D.	−1·40	50·4	*21·94*	4	1,823
Bedfordshire R.D.	−1·30	74·8	32·98	20	6,065	Wight, Isle of U.D.	−1·35	58·1	*25·28*	6	2,373
Flintshire R.D.	−1·28	65·5	*28·86*	9	3,118	Bedfordshire U.D.	−1·21	83·5	36·34	45	12,384
Anglesey U.D.	−1·20	43·9	*19·36*	2	1,033	Leicestershire R.D.	−1·13	82·4	35·85	34	8,484
Rutland R.D.	−1·13	46·0	*20·26*	2	987	Sussex, East U.D.	−1·04	79·8	34·71	21	6,050
Monmouthshire R.D.	−1·12	67·4	*29·71*	8	2,693	Wight, Isle of R.D.	−0·91	41·6	*18·08*	1	553
Anglesey R.D.	−1·06	54·8	*24·15*	3	1,242	Peterborough, Soke of R.D.	−0·90	41·7	*18·15*	1	551
Warwickshire U.D.	−1·03	85·6	39·05	72	18,436	Lincolnshire, Kesteven R.D.	−0·88	78·4	*34·09*	13	3,813
Sussex, West R.D.	−1·02	79·7	35·11	20	5,096	Lincolnshire, Lindsey R.D.	−0·87	84·3	36·68	26	7 089
Breconshire R.D.	−1·02	60·3	*26·60*	4	1,504	Rutland U.D.	−0·87	—	—	—	174
Suffolk, East U.D.	−0·99	76·9	*33·87*	14	4,133	Ely, Isle of R.D.	−0·84	66·0	*28·69*	4	1,394
Cardiganshire U.D.	−0·98	39·0	*17·18*	1	582	Suffolk, West U.D.	−0·81	72·0	*31·32*	6	1,916
Suffolk, East R.D.	−0·92	80·6	*35·52*	18	5,067	Kent R.D.	−0·80	90·0	39·14	58	14,820
Rutland U.D.	−0·88	—	—	—	176	Cambridgeshire U.D.	−0·74	80·8	*35·13*	12	3,416
Devon R.D.	−0·83	87·4	38·53	38	9,862	Yorkshire, E. Riding R.D.	−0·72	83·1	*36·14*	15	4,151
Northamptonshire R.D.	−0·80	83·9	36·99	21	5,677	Warwickshire R.D.	−0·71	88·9	38·67	36	9,309
Montgomeryshire R.D.	−0·79	63·6	*28·01*	3	1,071	Caernarvonshire R.D.	−0·71	72·8	*31·67*	5	1,579
Radnorshire R.D.	−0·75	48·1	*21·19*	1	472	Yorkshire, N. Riding U.D.	−0·70	89·3	38·83	38	9,786
Buckinghamshire U.D.	−0·73	89·5	39·46	44	11,151	Wiltshire U.D.	−0·66	89·9	39·11	38	9,716
Shropshire R.D.	−0·71	86·5	38·13	24	6,295	Norfolk R.D.	−0·61	91·5	39·79	47	11,813
Yorkshire, E. Riding U.D.	−0·62	86·0	*37·90*	17	4,485	Suffolk, West R.D.	−0·60	84·2	*36·62*	12	3,277

Dorset R.D.	−0·57	87·8	*38·71*	19	4,908
Norfolk U.D.	−0·57	85·5	*37·67*	13	3,451
Oxfordshire R.D.	−0·57	90·1	39·71	30	7,555
Nottinghamshire R.D.	−0·52	91·5	40·32	34	8,433
Yorkshire, N. Riding R.D.	−0·48	91·9	40·50	32	7,901
Staffordshire R.D.	−0·43	93·9	41·37	46	11,118
Yorkshire, N. Riding U.D.	−0·40	94·1	41·49	43	10,365
Shropshire U.D.	−0·38	93·0	41·00	27	6,586
Suffolk, West U.D.	−0·37	87·6	*38·61*	8	2,072
Yorkshire, E. Riding R.D.	−0·34	92·2	*40·65*	18	4,428
Kent R.D.	−0·31	96·3	42·45	67	15,783
Devon U.D.	−0·21	96·6	42·56	38	8,928
Cambridgeshire U.D.	−0·19	95·1	*41·91*	15	3,579
Oxfordshire U.D.	−0·19	94·5	*41·67*	11	2,640
Sussex, West U.D.	−0·17	97·3	42·87	40	9,330
Westmorland R.D.	−0·13	94·7	*41·75*	6	1,437
Lincolnshire, Lindsey R.D.	−0·12	97·9	43·16	32	7,414
Essex R.D.	−0·08	98·8	43·54	48	11,025
Westmorland U.D.	−0·08	96·3	*42·44*	5	1,178
Radnorshire U.D.	−0·08	92·2	*40·65*	1	246
Cornwall R.D.	−0·07	98·7	43·48	25	5,750
Dorset U.D.	−0·05	99·1	43·66	32	7,330
Montgomeryshire U.D.	−0·02	98·7	*43·48*	3	690
Cambridgeshire R.D.	0·02	100·5	*44·27*	19	4,292
Hampshire R.D.	0·13	101·7	44·80	62	13,838
Northumberland U.D.	0·15	101·7	44·83	75	16,731
Northumberland R.D.	0·16	103·6	45·65	20	4,381
Berkshire U.D.	0·17	103·5	45·60	26	5,702
Merionethshire R.D.	0·19	109·8	*48·37*	4	827
Breconshire U.D.	0·20	112·3	*49·50*	3	606
Peterborough, Soke of U.D.	0·21	105·8	*46·64*	14	3,002
Staffordshire U.D.	0·22	101·8	44·85	151	33,665
Northamptonshire U.D.	0·26	104·5	46·06	34	7,382
Lincolnshire, Lindsey U.D.	0·27	104·6	46·09	36	7,811
Wight, Isle of R.D.	0·27	117·2	*51·64*	3	581
Cornwall U.D.	0·30	105·3	46·41	33	7,111
Denbighshire U.D.	0·34	108·9	*47·98*	16	3,335
Yorkshire, W. Riding U.D.	0·36	102·4	45·13	230	50,967
Cheshire R.D.	0·37	106·1	46·75	40	8,557
Norfolk R.D.	0·41	105·5	46·51	58	12,470
Ely, Isle of R.D.	0·42	117·3	*51·70*	7	1,354
Sussex, East R.D.	0·44	108·9	47·98	27	5,627
Wight, Isle of U.D.	0·45	113·3	*49·92*	13	2,604
Merionethshire U.D.	0·46	125·5	*55·33*	4	723
Somerset R.D.	0·56	108·1	47·63	51	10,707
Carmarthenshire R.D.	0·56	113·8	*50·13*	19	3,790
Somerset U.D	0·68	110·3	48·59	48	9,878
Leicestershire U.D.	0·74	112·4	49·55	40	8,073
Yorkshire, W. Riding R.D.	0·78	108·0	47·59	103	21,641
Lancashire R.D.	0·81	110·3	48·60	68	13,993
Derbyshire U.D.	0·87	110·9	48·85	72	14,738
Peterborough, Soke of R.D.	0·88	154·4	*68·03*	4	588
Wiltshire R.D.	0·91	113·9	50·22	49	9,758
Denbighshire R.D.	1·00	124·4	54·83	21	3,830

Anglesey U.D.	−0·60	70·7	*30·77*	3	975
Montgomeryshire U.D.	−0·59	65·9	*28·65*	2	698
Northamptonshire R.D.	−0·55	88·7	38·58	21	5,443
London	−0·50	98·0	42·62	600	140,785
Sussex, East R.D.	−0·49	89·9	39·12	21	5,368
Cheshire U.D.	−0·48	95·7	41·64	121	29,058
Surrey R.D.	−0·48	91·3	39·69	28	7,054
Cornwall U.D.	−0·46	91·3	39·71	26	6,548
Wiltshire R.D.	−0·45	92·9	40·39	37	9,161
Worcestershire R.D.	−0·45	90·1	*39·21*	19	4,846
Essex R.D.	−0·40	94·0	40·87	42	10,276
Suffolk, East U.D.	−0·34	91·6	*39·85*	15	3,764
Lancashire R.D.	−0·31	95·9	41·70	55	13,189
Denbighshire U.D.	−0·29	92·0	*40·00*	12	3,000
Cardiganshire U.D.	−0·26	83·0	*36·10*	2	554
Cardiganshire R.D.	−0·21	90·9	*39·56*	5	1,264
Huntingdonshire R.D.	−0·16	94·6	*41·13*	8	1,945
Cornwall R.D.	−0·07	98·6	42·90	23	5,361
Lincolnshire, Holland R.D.	−0·07	97·8	*42·52*	10	2,352
Glamorgan R.D.	−0·01	99·9	43·44	38	8,748
Radnorshire U.D.	0·04	104·0	*45·25*	1	221
Somerset R.D.	0·05	100·7	43·80	45	10,274
Ely, Isle of U.D.	0·13	104·3	*45·37*	10	2,204
Merionethshire U.D.	0·16	109·8	*47·77*	3	628
Nottinghamshire R.D.	0·17	102·9	44·78	36	8,040
Westmorland U.D.	0·25	111·6	*48·54*	5	1,030
Northumberland U.D.	0·27	103·2	44·90	70	15,589
Cheshire R.D.	0·29	104·9	45·65	37	8,106
Devon R.D.	0·29	104·6	45·51	42	9,229
Lincolnshire, Lindsey U.D.	0·29	105·2	45·74	33	7,215
Montgomeryshire R.D.	0·32	115·5	*50·25*	5	995
Yorkshire, W. Riding R.D.	0·33	103·5	45·04	92	20,428
Hertfordshire R.D.	0·35	105·3	45·80	45	9,826
Flintshire R.D.	0·37	110·5	*48·06*	14	2,913
Dorset R.D.	0·40	108·9	47·36	22	4,645
Berkshire U.D.	0·41	108·3	47·09	26	5,521
Oxfordshire U.D.	0·41	112·6	*48·96*	12	2,451
Sussex, West U.D.	0·41	106·6	46·35	41	8,845
Yorkshire, E. Riding U.D.	0·41	109·6	47·69	20	4,194
Buckinghamshire R.D.	0·44	106·5	46·32	48	10,363
Hampshire R.D.	0·46	106·1	46·14	61	13,222
Pembrokeshire R.D.	0·46	116·4	*50·65*	9	1,777
Peterborough, Soke of U.D.	0·47	113·3	*49·26*	14	2,842
Durham R.D.	0·48	106·3	46·23	61	13,195
Berkshire R.D.	0·49	106·6	46·36	59	12,726
Huntingdonshire U.D.	0·49	117·8	*51·25*	9	1,756
Oxfordshire R.D.	0·52	109·4	47·57	34	7,148
Devon U.D.	0·56	109·3	47·56	40	8,411
Dorset U.D.	0·56	110·3	47·97	33	6,880
Nottinghamshire U.D.	0·58	106·7	46·42	80	17,235
Rutland R.D.	0·58	129·6	*56·37*	5	887
Gloucestershire R.D.	0·60	107·7	46·86	66	14,056
Warwickshire U.D.	0·62	107·1	46·58	81	17,391
Monmouthshire R.D.	0·73	122·4	*53·24*	13	2,442

Table CXXIV—*continued*

(A) All congenital malformations (ICD Nos. 750–759)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Warwickshire R.D.	1·04	115·8	51·02	50	9,800	Shropshire R.D.	0·74	114·4	49·78	30	6,027
Caernarvonshire U.D.	1·06	131·2	*57·83*	15	2,594	Monmouthshire U.D.	0·79	111·1	48·34	56	11,585
Nottinghamshire U.D.	1·10	112·2	49·46	90	18,197	Northumberland R.D.	0·80	119·0	51·78	21	4,056
Flintshire U.D.	1·16	129·4	57·05	20	3,506	Staffordshire R.D.	0·83	112·4	48·87	51	10,435
Herefordshire U.D.	1·20	134·9	*59·46*	16	2,691	Carmarthenshire U.D.	0·85	127·7	*55·53*	12	2,161
Cumberland R.D.	1·26	124·4	54·82	33	6,020	Yorkshire, W. Riding U.D.	0·89	106·1	46·16	221	47,847
Derbyshire R.D.	1·27	114·7	50·55	85	16,814	Derbyshire R.D.	0·96	111·6	48·54	77	15,863
Cheshire U.D.	1·32	111·3	49·07	151	30,774	Carmarthenshire R.D.	0·96	124·0	53·94	20	3,708
Pembrokeshire R.D.	1·44	148·6	*65·49*	13	1,985	Westmorland R.D.	0·98	141·4	*61·49*	8	1,301
Hampshire U.D.	1·50	115·1	50·71	114	22,482	Gloucestershire U.D.	1·04	118·3	51·46	38	7,384
Ely, Isle of U.D.	1·55	148·7	*65·53*	15	2.289	Somerset U.D.	1·09	117·0	50·90	48	9,431
Worcestershire U.D.	1·69	122·1	53·81	71	13,195	Breconshire R.D.	1·15	146·5	*63·74*	9	1,412
Lincolnshire, Kesteven R.D.	1·75	141·8	62·48	25	4,001	Herefordshire R.D.	1·20	135·0	*58·72*	16	2,725
Lincolnshire, Holland R.D.	1·77	153·1	*67·49*	17	2,519	Leicestershire U.D.	1·28	121·8	52·98	42	7,928
Cardiganshire R.D.	1·82	176·6	*77·82*	10	1,285	Herefordshire U.D.	1·32	140·5	*61·12*	15	2.454
Monmouthshire U.D.	1·82	124·6	54·90	68	12,386	Flintshire U.D.	1·37	136·9	*59·52*	19	3,192
Herefordshire R.D.	1·83	150·0	66·12	20	3,025	Denbighshire R.D.	1·52	139·1	60·48	21	3,472
Worcestershire R.D.	1·86	138·0	60·81	33	5,427	Worcestershire U.D.	1·59	121·8	52·99	65	12,267
Carmarthenshire U.D.	1·88	159·4	*70·27*	16	2,277	Pembrokeshire U.D.	1·63	151·8	*66·02*	15	2,272
Wiltshire U.D.	1·91	128·3	56·56	58	10,254	Northamptonshire U.D.	1·74	131·1	57·04	41	7,188
Lancashire U.D.	2·03	110·7	48·77	401	82,228	Caernarvonshire U.D.	1·80	154·4	*67·14*	17	2,532
Lincolnshire, Holland U.D.	2·12	178·8	*78·79*	13	1,650	Cumberland R.D.	1·81	137·0	59·58	33	5,539
Cumberland U.D.	2·21	151·3	66·68	28	4,199	Shropshire U.D.	2·34	145·8	63·42	38	5,992
Gloucestershire U.D.	2·26	139·2	61·37	46	7,496	Staffordshire U.D.	2·37	120·2	52·28	165	31,563
Pembrokeshire U.D.	2·39	174·5	*76·92*	18	2,340	Cumberland U.D.	2·42	158·6	69·00	27	3,913
Durham U.D.	2·40	120·6	53·14	164	30,863	Derbyshire U.D.	2·50	132·1	57·45	80	13,925
Glamorgan U.D.	2·53	125·3	55·22	125	22,637	Lancashire U.D.	2·72	114·8	49·93	387	77,509
Caernarvonshire R.D.	2·81	203·7	*89·77*	15	1,671	Radnorshire R.D.	3·58	355·3	*154·53*	7	453
Durham R.D.	3·17	140·6	61·96	86	13,881	Durham U.D.	3·79	133·5	58·06	171	29,450
Glamorgan R.D.	3·35	152·0	66·97	63	9,407	Glamorgan U.D.	5·35	155·2	67·50	146	21,630

Table CXXIV—*continued*

(B) Monstrosity (ICD No. 750)

Total	0·00	100·0	1·57	220	1,399,604	**Total**	0·00	100·0	2·75	363	1,320,163
London	−1·73	64·3	*1·01*	15	148,502	Surrey U.D.	−2·14	39·6	*1·09*	5	45,893
Gloucestershire R.D.	−1·52	—	—	—	14,684	Middlesex U.D.	−1·76	63·7	*1·75*	15	85,623
Berkshire R.D.	−1·47	—	—	—	13,699	Yorkshire, N. Riding U.D.	−1·64	—	—	—	9,786
Somerset U.D.	−1·25	—	—	—	9,878	Sussex, West U.D.	−1·56	—	—	—	8,845
Devon U.D.	−1·18	—	—	—	8,928	Glamorgan R.D.	−1·55	—	—	—	8,748
Cheshire R.D.	−1·16	—	—	—	8,557	Northamptonshire U.D.	−1·41	—	—	—	7,188
Leicestershire U.D.	−1·13	—	—	—	8,073	Cornwall U.D.	−1·34	—	—	—	6,548
Lincolnshire, Lindsey U.D.	−1·11	—	—	—	7,811	Staffordshire U.D.	−1·25	57·6	*1·58*	5	31,563
Warwickshire U.D.	−1·11	34·5	*0·54*	1	18,436	Worcestershire R.D.	−1·15	—	—	—	4,846
Yorkshire, N Riding R.D.	−1·11	—	—	—	7,901	Buckinghamshire U.D.	−1·14	33·9	*0·93*	1	10,736
Nottinghamshire U.D.	−1·10	35·0	*0·55*	1	18,197	Suffolk, East R.D.	−1·14	—	—	—	4,762
Gloucestershire U.D.	−1·09	—	—	—	7,496	Cambridgeshire R.D.	−1·05	—	—	—	4,014
Dorset U.D.	−1·07	—	—	—	7,330	Hertfordshire R.D.	−1·04	37·0	*1·02*	1	9,826
Cornwall U.D.	−1·06	—	—	—	7,111	Kent R.D.	−1·03	49·1	*1·35*	2	14,820
Shropshire R.D.	−0·99	—	—	—	6,295	Leicestershire R.D.	−1·00	38·3	*1·05*	1	9,484
Bedfordshire R.D.	−0·98	—	—	—	6,065	Somerset U.D.	−0·99	38·6	*1·06*	1	9,431
Cumberland R.D.	−0·97	—	—	—	6,020	Denbighshire R.D.	−0·98	—	—	—	3,472
Cornwall R.D.	−0·95	—	—	—	5,750	Cambridgeshire U.D.	−0·97	—	—	—	3,416
Sussex, West R.D.	−0·95	—	—	—	5,696	Devon R.D.	−0·97	39·4	*1·08*	1	9,229
Kent R.D.	−0·94	40·3	*0·63*	1	15,783	Flintshire U.D.	−0·94	—	—	—	3,192
Northamptonshire R.D.	−0·94	—	—	—	5,677	Norfolk U.D.	−0·93	—	—	—	3,165
Dorset R.D.	−0·88	—	—	—	4,908	Herefordshire R.D.	−0·87	—	—	—	2,725
Yorkshire, E. Ridings U.D.	−0·84	—	—	—	4,485	Caernarvonshire U.D.	−0·83	—	—	—	2,532
Hampshire U.D.	−0·82	56·6	*0·89*	2	22,482	Oxfordshire U.D.	−0·82	—	—	—	2,451
Cumberland U.D.	−0·81	—	—	—	4,199	Wight, Isle of U.D.	−0·81	—	—	—	2,373
Suffolk, East U.D.	−0·81	—	—	—	4,133	Lincolnshire, Holland R.D.	−0·80	—	—	—	2,352
Lincolnshire, Kesteven R.D.	−0·79	—	—	—	4,001	Pembrokeshire U.D.	−0·79	—	—	—	2,272
Denbighshire R.D.	−0·78	—	—	—	3,830	Carmarthenshire U.D.	−0·77	—	—	—	2,161
Cambridgeshire U.D.	−0·75	—	—	—	3,579	Huntingdonshire R.D.	−0·73	—	—	—	1,945
Bedfordshire U.D.	−0·74	48·5	*0·76*	1	13,109	Suffolk, West U.D.	−0·73	—	—	—	1,916
Denbighshire U.D.	−0·72	—	—	—	3,335	Gloucestershire U.D.	−0·72	49·3	*1·35*	1	7,384
Herefordshire R.D.	−0·69	—	—	—	3,025	Lincolnshire, Kesteven U.D.	−0·71	—	—	—	1,823
Peterborough, Soke of U.D.	−0·69	—	—	—	3,002	Pembrokeshire R.D.	−0·70	—	—	—	1,777
Monmouthshire R.D.	−0·65	—	—	—	2,693	Norfolk R.D.	−0·69	61·6	*1·69*	2	11,813
Oxfordshire U.D.	−0·64	—	—	—	2,640	Oxfordshire R.D.	−0·69	50·9	*1·40*	1	7,148
Ely, Isle of U.D.	−0·60	—	—	—	2,289	Lincolnshire, Lindsey R.D.	−0·68	51·3	*1·41*	1	7,089
Huntingdonshire R.D.	−0·58	—	—	—	2,121	Caernarvonshire R.D.	−0·66	—	—	—	1,579
Buckinghamshire U.D.	−0·57	57·1	*0·90*	1	11,151	Lincolnshire, Holland U.D.	−0·65	—	—	—	1,528
Staffordshire R.D.	−0·57	57·2	*0·90*	1	11,118	Ely, Isle of R.D.	−0·62	—	—	—	1,394
Essex R.D.	−0·56	57·7	*0·91*	1	11,025	Northumberland U.D.	−0·62	70·0	*1·92*	3	15,589
Lincolnshire, Kesteven U.D.	−0·55	—	—	—	1,956	Breconshire R.D.	−0·62	—	—	—	1,412
Caernarvonshire R.D.	−0·51	—	—	—	1,671	Westmorland R.D.	−0·60	—	—	—	1,301
Hertfordshire R.D.	−0·49	61·7	*0·97*	1	10,314	Anglesey R.D.	−0·57	—	—	—	1,200
Breconshire R.D.	−0·49	—	—	—	1,504	Anglesey U.D.	−0·52	—	—	—	975
Leicestershire R.D.	−0·48	62·3	*0·98*	1	10,207	Montgomeryshire R.D.	−0·52	—	—	—	995
Westmorland R.D.	−0·48	—	—	—	1,437	Shropshire R.D.	−0·51	60·3	*1·66*	1	6,027
Wiltshire U.D.	−0·48	62·0	*0·98*	1	10,254	Sussex, East U.D.	−0·51	60·1	*1·65*	1	6,050

Table CXXIV—*continued*

(B) Monstrosity (ICD No. 750)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Ely, Isle of R.D.	−0·46	—	—	—	1,354	Buckinghamshire R.D.	−0·50	70·2	*1·93*	2	10,363
Cardinganshire R.D.	−0·45	—	—	—	1,285	Shropshire U.D.	−0·50	60·7	*1·67*	1	5,992
Warwickshire R.D.	−0·44	64·9	*1·02*	1	9,800	Rutland R.D.	−0·49	—	—	—	887
Anglesey R.D.	−0·44	—	—	—	1,242	Somerset R.D.	−0·49	70·8	*1·95*	2	10,274
Westmorland U.D.	−0·43	—	—	—	1,178	Bedfordshire R.D.	−0·47	63·0	*1·73*	1	5,769
Montgomeryshire R.D.	−0·41	—	—	—	1,071	Merionethshire R.D.	−0·46	—	—	—	770
Derbyshire R.D.	−0·40	75·7	*1·19*	2	16,814	Montgomeryshire U.D.	−0·44	—	—	—	698
Anglesey U.D.	−0·40	—	—	—	1,033	Berkshire U.D.	−0·42	65·9	*1·81*	1	5,521
Rutland R.D.	−0·39	—	—	—	987	Cumberland R.D.	−0·42	65·7	*1·81*	1	5,539
Sussex, West R.D.	−0·39	68·2	*1·07*	1	9,330	Derbyshire U.D.	−0·42	78·4	*2·15*	3	13,925
Glamorgan R.D.	−0·39	67·6	*1·06*	1	9,407	Merionethshire U.D.	−0·42	—	—	—	628
Merionethshire R.D.	−0·36	—	—	—	827	Wiltshire U.D.	−0·41	74·9	*2·06*	2	9,716
Merionethshire U.D.	−0·34	—	—	—	723	Breconshire U.D.	−0·40	—	—	—	596
Montgomeryshire U.D.	−0·33	—	—	—	690	Cornwall R.D.	−0·39	67·8	*1·87*	1	5,361
Breconshire U.D.	−0·31	—	—	—	606	Sussex, East R.D.	−0·39	67·7	*1·86*	1	5,368
Peterborough, Soke of R.D.	−0·30	—	—	—	588	Wight, Isle of R.D.	−0·39	—	—	—	553
Wight, Isle of R.D.	−0·30	—	—	—	581	Cardiganshire U.D.	−0·39	—	—	—	554
Cardiganshire U.D.	−0·30	—	—	—	582	Sussex, West R.D.	−0·38	68·7	*1·89*	1	5,290
Nottinghamshire R.D.	−0·28	75·4	*1·19*	1	8,433	Yorkshire, W. Riding R.D.	−0·26	89·0	*2·45*	5	20,428
Radnorshire R.D.	−0·27	—	—	—	472	Dorset R.D.	−0·25	78·3	*2·15*	1	4,645
Derbyshire U.D.	−0·21	86·3	*1·36*	2	14,738	Radnorshire U.D.	−0·25	—	—	—	221
Radnorshire U.D.	−0·20	—	—	—	246	Rutland U.D.	−0·22	—	—	—	174
Rutland U.D.	−0·17	—	—	—	176	Kent U.D.	−0·21	94·3	*2·59*	13	50,144
Lincolnshire, Lindsey R.D.	−0·15	85·8	*1·35*	1	7,414	Derbyshire R.D.	−0·17	91·7	*2·52*	4	15,863
Northamptonshire U.D.	−0·15	86·2	*1·35*	1	7,382	Cheshire R.D.	−0·15	89·7	*2·47*	2	8,106
Surrey R.D.	−0·14	86·7	*1·36*	1	7,336	Yorkshire, E. Riding U.D.	−0·14	86·7	*2·38*	1	4,194
Hertfordshire U.D.	−0·13	93·7	*1·47*	4	27,146	Yorkshire, E. Riding R.D.	−0·13	87·6	*2·41*	1	4,151
Durham R.D.	−0·12	91·7	*1·44*	2	13,881	Monmouthshire U.D.	−0·10	94·2	*2·59*	3	11,585
Middlesex U.D.	−0·07	98·1	*1·54*	14	90,813	Lincolnshire, Kesteven R.D.	−0·05	95·4	*2·62*	1	3,813
Worcestershire U.D.	−0·05	96·4	*1·52*	2	13,195	Yorkshire, N. Riding R.D.	−0·05	96·5	*2·65*	2	7,540
Sussex, East U.D.	−0·03	97·2	*1·53*	1	6,545	Yorkshire, W. Riding U.D.	−0·05	98·8	*2·72*	13	47,874
Norfolk R.D.	0·03	102·0	*1·60*	2	12,470	Dorset U.D.	0·08	105·7	*2·91*	2	6,880
Sussex, East R.D.	0·12	113·1	*1·78*	1	5,627	Staffordshire R.D.	0·08	104·6	*2·87*	3	10,435
Essex U.D.	0·14	104·4	*1·64*	11	67,057	Warwickshire U.D.	0·10	104·6	*2·88*	5	17,391
Surrey U.D.	0·15	105·5	*1·66*	8	48,231	Denbighshire U.D.	0·19	121·2	*3·33*	1	3,000
Northumberland U.D.	0·23	114·1	*1·79*	3	16,731	Lancashire R.D.	0·20	110·3	*3·03*	4	13,189
Suffolk, East R.D.	0·23	125·6	*1·97*	1	5,067	Wiltshire R.D.	0·30	119·1	*3·27*	3	9,161
Somerset R.D.	0·24	118·8	*1·87*	2	10,707	Bedfordshire U.D.	0·32	117·5	*3·23*	4	12,384
Yorkshire, N. Riding U.D.	0·29	122·8	*1·93*	2	10,365	Cheshire U.D.	0·36	112·6	*3·10*	9	29,058
Devon R.D.	0·36	129·0	*2·03*	2	9,862	Herefordshire U.D.	0·40	148·2	*4·07*	1	2,454
Wiltshire R.D.	0·38	130·4	*2·05*	2	9,758	Monmouthshire R.D.	0·40	148·9	*4·10*	1	2,442
Cambridgeshire R.D.	0·40	148·2	*2·33*	1	4,292	Northamptonshire R.D.	0·41	133·6	*3·67*	2	5,443

Cheshire U.D.	0·53	124·0	*1·95*	6	30,774	Glamorgan U.D.	0·43	117·7	*3·24*	7	21,630
Suffolk, West R.D.	0·57	175·9	*2·76*	1	3,617	Hampshire U.D.	0·48	119·8	*3·29*	7	21,248
Flintshire U.D.	0·60	181·5	*2·85*	1	3,506	Ely, Isle of U.D.	0·51	165·0	*4·54*	1	2,204
Norfolk U.D.	0·62	184·3	*2·90*	1	3,451	Gloucestershire R.D. ..	0·57	129·1	*3·55*	5	14,086
Flintshire R.D.	0·73	204·0	*3·21*	1	3,118	London	0·69	111·1	3·05	43	140,785
Oxfordshire R.D.	0·75	168·4	*2·65*	2	7,555	Essex R.D.	0·70	141·6	*3·89*	4	10,276
Monmouthshire U.D. ..	0·75	154·1	*2·42*	3	12,386	Durham R.D.	0·72	137·8	*3·79*	5	13,195
Yorkshire, W. Ridings R.D.	0·87	147·0	*2·31*	5	21,641	Hertfordshire U.D.	0·75	128·2	*3·52*	9	25,539
Herefordshire U.D.	0·89	236·4	*3·72*	1	2,691	Surrey R.D.	0·76	154·7	*4·25*	3	7,054
Kent U.D.	0·92	131·9	*2·07*	11	53,066	Berkshire R.D.	0·80	142·9	*3·93*	5	12,726
Wight, Isle of U.D.	0·92	244·3	*3·84*	1	2,604	Northumberland R.D. ..	0·84	179·3	*4·93*	2	4,056
Lincolnshire, Holland R.D. ..	0·96	252·5	*3·97*	1	2,519	Cumberland U.D.	0·89	185·9	*5·11*	2	3,913
Buckinghamshire R.D. ..	0·97	173·8	*2·73*	3	10,978	Worcestershire U.D. ..	0·89	148·2	*4·08*	5	12,267
Pembrokeshire U.D.	1·04	271·9	*4·27*	1	2,340	Warwickshire R.D.	0·90	156·3	*4·30*	4	9,309
Yorkshire, W. Riding U.D. ..	1·06	137·3	*2·16*	11	50,967	Carmarthenshire R.D. ..	0·97	196·2	*5·39*	2	3,708
Carmarthenshire U.D. ..	1·07	279·4	*4·39*	1	2,277	Durham U.D.	1·02	135·8	*3·74*	11	29,450
Berkshire U.D.	1·17	223·1	*3·51*	2	5,702	Devon U.D.	1·11	173·0	*4·76*	4	8.411
Suffolk, West U.D.	1·18	307·0	*4·83*	1	2,072	Suffolk, West R.D.	1·16	222·0	*6·10*	2	3,277
Lancashire R.D.	1·21	181·9	*2·86*	4	13,993	Nottinghamshire R.D. ..	1·20	180·9	*4·98*	4	8,040
Pembrokeshire R.D. ..	1·23	320·5	*5·04*	1	1,985	Flintshire R.D.	1·34	249·7	*6·87*	2	2,913
Worcestershire R.D. ..	1·24	234·4	*3·69*	2	5,427	Westmorland U.D.	1·35	353·1	*9·71*	1	1,030
Huntingdonshire U.D. ..	1·30	339·1	*5·33*	1	1,876	Peterborough, Soke of U.D.	1·38	255·9	*7·04*	2	2,842
Lincolnshire, Holland U.D. ..	1·45	385·6	*6·06*	1	1,650	Lincolnshire, Lindsey U.D. ..	1·43	201·6	*5·54*	4	7,215
Yorkshire, E. Riding R.D. ..	1·56	287·3	*4·52*	2	4,428	Nottinghamshire U.D. ..	1·50	168·8	*4·64*	8	17,235
Staffordshire U.D.	1·61	170·1	*2·67*	9	33,665	Essex U.D.	1·88	145·4	4·00	25	62,530
Lancashire U.D.	1·69	147·0	*2·31*	19	82,228	Leicestershire U.D.	1·91	229·4	*6·31*	5	7,928
Carmarthenshire R.D. ..	1·82	335·7	*5·28*	2	3,790	Suffolk, East U.D.	1·93	289·9	*7·97*	3	3,764
Glamorgan U.D.	1·82	196·7	*3·09*	7	22,637	Huntingdonshire U.D. ..	2·18	414·2	*11·39*	2	1,756
Durham U.D.	1·88	185·5	*2·92*	9	30,863	Peterborough, Soke of R.D.	2·18	660·0	*18·15*	1	551
Hampshire R.D.	1·92	229·9	*3·61*	5	13,838	Hampshire R.D.	2·29	220·0	*6·05*	8	13,222
Shropshire U.D.	1·93	289·8	*4·56*	3	6,586	Radnorshire R.D.	2·48	802·8	*22·08*	1	453
Northumberland R.D. ..	2·79	435·6	*6·85*	3	4,381	Cardiganshire R.D.	2·80	575·4	*15·82*	2	1,264
Caernarvonshire U.D. ..	4·06	735·7	11·57	3	2,594	Lancashire U.D.	2·96	164·2	4·52	35	77,509

Table CXXIV—*continued*

(C) Spina bifida and meningocele (ICD No. 751)

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**6·19**	**867**	**1,399,604**	**Total**	**0·00**	**100·0**	**9·42**	**1,243**	**1,320,163**
London	−4·27	55·4	3·43	51	148,502	Middlesex U.D.	−3·41	62·0	5·84	50	85,623
Kent U.D.	−3·47	39·5	*2·45*	13	53,066	London	−3·18	72·4	6·82	96	140,785
Middlesex U.D.	−2·83	62·2	3·85	35	90,813	Kent U.D.	−2·65	61·4	5·78	29	50,144
Essex U.D.	−2·10	67·4	4·18	28	67,057	Surrey U.D.	−2·62	60·2	5·67	26	45,893
Essex R.D.	−1·85	29·3	*1·81*	2	11,025	Buckinghamshire U.D.	−2·55	19·8	*1·86*	2	10,736
Yorkshire, E. Riding R.D.	−1·66	—	—	—	4,428	Hertfordshire U.D.	−2·46	49·9	*4·70*	12	25,539
Cambridgeshire U.D.	−1·63	—	—	—	4,292	Sussex, West R.D.	−2·23	—	—	—	5,290
Norfolk U.D.	−1·46	—	—	—	3,451	Bedfordshire U.D.	−1·95	42·9	*4·04*	5	12,384
Surrey U.D.	−1·44	73·6	4·56	22	48,231	Devon R.D.	−1·93	34·5	*3·25*	3	9,229
Hertfordshire R.D.	−1·34	47·0	*2·91*	3	10,314	Surrey R.D.	−1·80	30·1	*2·84*	2	7,054
Northamptonshire U.D.	−1·20	43·7	*2·71*	2	7,382	Essex U.D.	−1·68	78·1	7·36	46	62,530
Surrey R.D.	−1·19	44·0	*2·73*	2	7,336	Nottinghamshire R.D.	−1·66	39·6	*3·73*	3	8,040
Huntingdonshire R.D.	−1·15	—	—	—	2,121	Wight, Isle of U.D.	−1·49	—	—	—	2,373
Suffolk, West U.D.	−1·13	—	—	—	2,072	Bedfordshire R.D.	−1·47	36·8	*3·47*	2	5,769
Pembrokeshire R.D.	−1·11	—	—	—	1,985	Ely, Isle of U.D.	−1·44	—	—	—	2,204
Bedfordshire U.D.	−1·10	61·6	*3·81*	5	13,109	Northamptonshire R.D.	−1·38	39·0	*3·67*	2	5,443
Lincolnshire, Kesteven U.D.	−1·10	—	—	—	1,956	Suffolk, East U.D.	−1·35	28·2	*2·66*	1	3,764
Huntingdonshire U.D.	−1·08	—	—	—	1,876	Warwickshire R.D.	−1·27	57·0	*5·37*	5	9,309
Buckinghamshire R.D.	−1·07	58·8	*3·64*	4	10,978	Suffolk, West R.D.	−1·19	32·4	*3·05*	1	3,277
Sussex, East U.D.	−1·02	49·3	*3·06*	2	6,545	Suffolk, East R.D.	−1·17	44·6	*4·20*	2	4,762
Breconshire R.D.	−0·97	—	—	—	1,504	Ely, Isle of R.D.	−1·15	—	—	—	1,394
Yorkshire, N. Riding U.D.	−0·96	62·3	*3·86*	4	10,365	Sussex, West U.D.	−1·15	60·0	*5·56*	5	8,845
Hertfordshire U.D.	−0·93	77·3	*4·79*	13	27,146	Cardiganshire R.D.	−1·09	—	—	—	1,264
Bedfordshire R.D.	−0·91	53·2	*3·30*	2	6,065	Hertfordshire R.D.	−1·07	64·9	*6·11*	6	9,826
Devon R.D.	−0·85	65·5	*4·06*	4	9,862	Kent, R.D.	−1·06	71·7	*6·75*	10	14,820
Westmorland U.D.	−0·85	—	—	—	1,178	Anglesey R.D.	−1·06	—	—	—	1,200
Cambridgeshire U.D.	−0·82	45·1	*2·79*	1	3,579	Derbyshire R.D.	−1·02	73·6	*6·93*	11	15,863
Northamptonshire R.D.	−0·81	56·9	*3·52*	2	5,677	Peterbrough, Soke of U.D.	−1·02	37·4	*3·52*	1	2,842
Sussex, East R.D.	−0·80	57·4	*3·55*	2	5,627	Westmorland U.D.	−0·98	—	—	—	1,030
Anglesey U.D.	−0·80	—	—	—	1,033	Montgomeryshire R.D.	−0·97	—	—	—	995
Oxfordshire R.D.	−0·78	64·1	*3·97*	3	7,555	Rutland R.D.	−0·91	—	—	—	887
Rutland R.D.	−0·78	—	—	—	987	Somerset R.D.	−0·86	72·4	*6·81*	7	10,274
Sussex, West U.D.	−0·74	69·2	*4·29*	4	9,330	Merionethshire R.D.	−0·85	—	—	—	770
Buckinghamshire U.D.	−0·73	72·4	*4·48*	5	11,151	Pembrokeshire U.D.	−0·78	46·7	*4·40*	1	2,272
Merionethshire R.D.	−0·72	—	—	—	827	Merionethshire U.D.	−0·77	—	—	—	628
Merionethshire U.D.	−0·67	—	—	—	723	Breconshire U.D.	−0·75	—	—	—	596
Wight, Isle of R.D.	−0·60	—	—	—	581	Worcestershire R.D.	−0·73	65·7	*6·19*	3	4,846
Hampshire R.D.	−0·54	81·7	*5·06*	7	13,838	Peterborough, Soke of R.D.	−0·72	—	—	—	551
Herefordshire U.D.	−0·52	60·0	*3·72*	1	2,691	Wight, Isle of R.D.	−0·72	—	—	—	553
Monmouthshire R.D.	−0·52	59·9	*3·71*	1	2,693	Cardiganshire U.D.	−0·72	—	—	—	554

Berkshire R.D.	−0·51	82·5	*5·11*	7	13,699
Oxfordshire U.D.	−0·50	61·1	*3·79*	1	2,640
Wight, Isle of U.D.	−0·48	62·0	*3·84*	1	2,604
Shropshire R.D.	−0·46	76·9	*4·77*	3	6,295
Warwickshire R.D.	−0·43	82·4	*5·10*	5	9,800
Radnorshire U.D.	−0·39	—	—	—	246
Lincolnshire, Lindsey U.D.	−0·38	82·7	*5·12*	4	7,811
Carmarthenshire U.D.	−0·35	70·9	*4·39*	1	2,277
Rutland U.D.	−0·33	—	—	—	176
Sussex, West R.D.	−0·28	85·0	*5·27*	3	5,696
Norfolk R.D.	−0·26	90·6	*5·61*	7	12,470
Kent R.D.	−0·25	92·1	*5·70*	9	15,783
Carmarthenshire R.D.	−0·23	85·2	*5·28*	2	3,790
Suffolk, West R.D.	−0·16	89·3	*5·53*	2	3,617
Yorkshire, W. Riding R.D.	−0·11	97·0	*6·01*	13	21,641
Nottinghamshire R.D.	−0·10	95·7	*5·93*	5	8,433
Suffolk, East R.D.	−0·08	95·6	*5·92*	3	5,067
Denbighshire U.D.	−0·05	96·8	*6·00*	2	3,335
Derbyshire U.D.	−0·04	98·6	*6·11*	9	14,738
Lincolnshire, Holland U.D.	−0·02	97·8	*6·06*	1	1,650
Cheshire U.D.	−0·01	99·7	*6·17*	19	30,774
Hampshire U.D.	0·02	100·5	*6·23*	14	22,482
Yorkshire, N. Riding R.D.	0·05	102·2	*6·33*	5	7,901
Flintshire R.D.	0·05	103·5	*6·41*	2	3,118
Peterborough, Soke of U.D.	0·10	107·5	*6·66*	2	3,002
Northumberland R.D.	0·17	110·5	*6·85*	3	4,381
Ely, Isle of R.D.	0·18	119·2	*7·39*	1	1,354
Devon U.D.	0·20	108·5	*6·72*	6	8,928
Cornwall R.D.	0·23	112·3	*6·96*	4	5,750
Berkshire U.D.	0·25	113·2	*7·02*	4	5,702
Yorkshire, W. Riding U.D.	0·25	104·5	*6·47*	33	50,967
Anglesey R.D.	0·26	130·0	*8·05*	1	1,242
Leicestershire R.D.	0·27	110·7	*6·86*	7	10.207
Suffolk, East U.D.	0·27	117·2	*7·26*	3	4,133
Gloucestershire R.D.	0·30	109·9	*6·81*	10	14,684
Montgomeryshire R.D.	0·41	150·7	*9·34*	1	1,071
Staffordshire R.D.	0·42	116·2	*7·20*	8	11.118
Leicestershire U.D.	0·45	120·0	*7·43*	6	8,073
Pembrokeshire U.D.	0·46	138·0	*8·55*	2	2,340
Staffordshire U.D.	0·47	110·3	*6·83*	23	33,665
Ely, Isle of U.D.	0·49	141·0	*8·74*	2	2,289
Nottinghamshire U.D.	0·51	115·3	*7·14*	13	18.197
Cornwall U.D.	0·76	136·2	*8·44*	6	7,111
Somerset U.D.	0·76	130·7	*8·10*	8	9,878
Lancashire R.D.	0·79	126·9	*7·86*	11	13,993
Montgomeryshire U.D.	0·88	234·0	*14·49*	1	690
Somerset R.D.	0·92	135·7	*8·41*	9	10,707
Shropshire U.D.	0·95	147·1	*9·11*	6	6,586
Breconshire U.D.	1·02	266·4	*16·50*	1	606
Peterborough, Soke of R.D.	1·05	274·5	*17·01*	1	588
Cardiganshire U.D.	1·07	277·4	*17·18*	1	582
Dorset R.D.	1·12	164·5	*10·19*	5	4,908
Lincolnshire, Lindsey R.D.	1·12	152·4	*9·44*	7	7,414
Dorset U.D.	1·15	154·2	*9·55*	7	7,330
Sussex, East U.D.	−0·71	70·2	*6·61*	4	6,050
Cambridgeshire U.D.	−0·68	62·2	*5·85*	2	3,416
Lincolnshire, Lindsey R.D.	−0·65	74·9	*7·05*	5	7,089
Norfolk R.D.	−0·64	80·9	*7·62*	9	11,813
Huntingdonshire R.D.	−0·61	54·6	*5·14*	1	1,945
Suffolk, West U.D.	−0·60	55·4	*5·22*	1	1,916
Norfolk U.D.	−0·57	67·1	*6·32*	2	3,165
Buckinghamshire R.D.	−0·56	82·0	*7·72*	8	10,363
Essex R.D.	−0·54	82·7	*7·79*	8	10,276
Huntingdonshire U.D.	−0·51	60·5	*5·69*	1	1,756
Yorkshire, E. Riding U.D.	−0·48	76·0	*7·15*	3	4,194
Sussex, East R.D.	−0·47	79·1	*7·45*	4	5,368
Radnorshire U.D.	−0·46	—	—	—	221
Yorkshire, N. Riding R.D.	−0·41	84·5	*7·96*	6	7,540
Cambridgeshire R.D.	−0·40	79·4	*7·47*	3	4,014
Rutland U.D.	−0·40	—	—	—	174
Wiltshire U.D.	−0·38	87·4	*8·23*	8	9,716
Lincolnshire, Holland U.D.	−0·37	69·5	*6·54*	1	1,528
Lincolnshire, Lindsey U.D.	−0·30	88·3	*8·32*	6	7,215
Wiltshire R.D.	−0·21	92·7	*8·73*	8	9,161
Cornwall R.D.	−0·02	99·1	*9·33*	5	5,361
Staffordshire R.D.	0·06	101·8	*9·58*	10	10,435
Oxfordshire R.D.	0·10	104·0	*9·79*	7	7,148
Cheshire U.D.	0·12	102·3	*9·64*	28	29,058
Hampshire R.D.	0·16	104·4	*9·83*	13	13,222
Flintshire R.D.	0·16	109·4	*10·30*	3	2,913
Lancashire R.D.	0·17	104·7	*9·86*	13	13,189
Dorset U.D.	0·21	108·1	*10·17*	7	6,880
Hampshire U.D.	0·22	105·0	*9·88*	21	21,248
Lincolnshire, Kesteven U.D.	0·22	116·5	*10·97*	2	1,823
Lincolnshire, Kesteven R.D.	0·22	111·4	*10·49*	4	3,813
Pembrokeshire R.D.	0·25	119·5	*11·25*	2	1,777
Caernarvonshire R.D.	0·42	134·5	*12·67*	2	1,579
Montgomeryshire U.D.	0·42	152·2	*14·33*	1	698
Durham R.D.	0·45	112·7	*10·61*	14	13,195
Oxfordshire U.D.	0·46	130·0	*12·24*	3	2,451
Northamptonshire U.D.	0·47	118·2	*11·13*	8	7,188
Leicestershire U.D.	0·56	120·6	*11·35*	9	7,928
Shropshire U.D.	0·57	124·1	*11·68*	7	5,992
Flintshire U.D.	0·57	133·1	*12·53*	4	3,192
Berkshire R.D.	0·58	116·8	*11·00*	14	12,726
Yorkshire, N. Riding U.D.	0·59	119·4	*11·24*	11	9,786
Warwickshire U.D.	0·65	116·0	*10·93*	19	17,391
Denbighshire U.D.	0·70	141·6	*13·33*	4	3,000
Gloucestershire R.D.	0·75	120·6	*11·36*	16	14,086
Gloucestershire U.D.	0·78	129·5	*12·19*	9	7.384
Berkshire U.D.	0·79	134·7	*12·68*	7	5,521
Carmarthenshire R.D.	0·81	143·2	*13·48*	5	3,708
Yorkshire, W. Riding R.D.	0·86	119·6	*11·26*	23	20,428
Northumberland U.D.	0·87	122·6	*11·55*	18	15,589
Radnorshire R.D.	0·88	234·5	*22·08*	1	453
Worcestershire U.D.	1·02	129·9	*12·23*	15	12,267
Yorkshire, E. Riding R.D.	1·06	153·5	*14·45*	6	4,151
Anglesey U.D.	1·13	217·9	*20·51*	2	975

Table CXXIV—*continued*

(C) Spina bifida and meningocele (ICD No. 751)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Lincolnshire, Holland R.D.	1·15	192·3	*11·91*	3	2,519	Cheshire R.D.	1·22	144·1	*13·57*	11	8,106
Cheshire U.D.	1·17	150·9	*9·35*	8	8,557	Yorkshire, W. Riding U.D.	1·33	119·8	11·28	54	47,874
Westmorland R.D.	1·18	224·7	*13·92*	2	1,437	Derbyshire U.D.	1·35	137·3	*12·93*	18	13,925
Flintshire U.D.	1·24	184·2	*11·41*	4	3,506	Breconshire R.D.	1·45	225·7	*21·25*	3	1,412
Radnorshire R.D.	1·31	342·0	*21·19*	1	472	Herefordshire R.D.	1·52	194·9	*18·35*	5	2,725
Yorkshire, E. Riding U.D.	1·33	180·0	*11·15*	5	4,485	Cornwall U.D.	1·54	162·2	*15·27*	10	6,548
Cardiganshire R.D.	1·35	251·3	*15·56*	2	1,285	Westmorland R.D.	1·60	244·9	*23·06*	3	1,301
Warwickshire U.D.	1·36	140·1	*8·68*	16	18,436	Glamorgan R.D.	1·66	157·8	*14·86*	13	8,748
Worcestershire R.D.	1·44	178·5	*11·06*	6	5,427	Somerset U.D.	1·72	157·7	*14·84*	14	9,431
Wiltshire U.D.	1·45	157·4	*9·75*	10	10,254	Cumberland U.D.	1·73	190·0	*17·89*	7	3,913
Durham R.D.	1·50	151·2	*9·37*	13	13,881	Monmouthshire R.D.	1·78	217·5	*20·48*	5	2,442
Lincolnshire, Kesteven R.D.	1·60	201·7	*12·50*	5	4,001	Shropshire R.D.	1·82	176·2	*16·59*	10	6,027
Worcestershire U.D.	1·69	159·0	*9·85*	13	13,195	Staffordshire U.D.	1·89	134·6	12·67	40	31,563
Caernarvonshire U.D.	1·89	248·9	*15·42*	4	2,594	Northumberland R.D.	2·14	209·5	*19·72*	8	4,056
Wiltshire R.D.	2·02	182·0	*11·27*	11	9,758	Caernarvonshire U.D.	2·34	251·7	*23·70*	6	2,532
Derbyshire R.D.	2·04	163·2	*10·11*	17	16,814	Monmouthshire U.D.	2·45	174·2	*16·40*	19	11,585
Northumberland U.D.	2·06	164·0	*10·16*	17	16,731	Lincolnshire, Holland R.D.	2·54	270·9	*25·51*	6	2,352
Cumberland R.D.	2·21	214·5	*13·29*	8	6,020	Lancashire U.D.	2·58	130·2	12·26	95	77,509
Lancashire U.D.	2·25	131·5	8·15	67	82,228	Nottinghamshire U.D.	2·67	166·4	15·67	27	17,235
Durham U.D.	2·26	151·7	9·40	29	30,863	Leicestershire R.D.	2·70	190·4	*17·92*	17	9,484
Herefordshire R.D.	2·28	266·8	*16·53*	5	3,025	Carmarthenshire U.D.	2·78	294·9	*27·76*	6	2,161
Denbyshire R.D.	2·36	252·9	*15·67*	6	3,830	Cumberland R.D.	2·97	230·1	*21·66*	12	5,539
Gloucestershire U.D.	2·49	215·4	*13·34*	10	7,496	Herefordshire U.D.	3·08	303·0	*28·52*	7	2,454
Monmouthshire U.D.	3·01	208·5	*12·92*	16	12,386	Dorset R.D.	3·17	251·5	*23·68*	11	4,645
Cumberland U.D.	3·35	307·6	*19·05*	8	4,199	Denbighshire R.D.	3·17	275·3	*25·92*	9	3,472
Caernarvonshire R.D	3·90	483·0	*29·92*	5	1,671	Devon U.D.	3·23	214·7	*20·21*	17	8,411
Glamorgan U.D.	4·27	213·9	13·25	30	22,637	Durham U.D.	3·85	173·1	16·30	48	29,450
Glamorgan R.D.	5·04	308·9	*19·13*	18	9,407	Glamorgan U.D.	3·91	186·6	17·57	38	21,630

Table CXXIV—*continued*

(D) Congenital hydrocephalus (ICD No. 752)

Total	0·00	100·0	4·52	633	1,399,604	**Total**	0·00	100·0	5·93	783	1,320,163
Kent U.D.	−3·88	20·8	*0·94*	5	53,066	Middlesex U.D.	−2·78	61·0	3·62	31	85,623
Surrey U.D.	−2·10	55·0	*2·49*	12	48,231	Hampshire U.D.	−2·14	39·7	*2·35*	5	21,248
Hertfordshire U.D.	−2·08	40·7	*1·84*	5	27,146	Hertfordshire U.D.	−2·09	46·2	*2·74*	7	25,539
Sussex, East U.D.	−1·72	—	—	—	6,545	Surrey U.D.	−1·96	62·5	*3·70*	17	45,893
Hertfordshire R.D.	−1·70	21·4	*0·97*	1	10,314	Sussex, West R.D.	−1·77	—	—	—	5,290
Middlesex U.D.	−1·42	77·9	3·52	32	90,813	London	−1·59	82·6	4·90	69	140,785
Yorkshire, E. Riding U.D.	−1·42	—	—	—	4,485	Cambridgeshire R.D.	−1·54	—	—	—	4,014
Yorkshire, E. Riding R.D.	−1·42	—	—	—	4,428	Warwickshire R.D.	−1·50	36·2	*2·15*	2	9,309
Lincolnshire, Lindsey R.D.	−1·29	29·8	*1·35*	1	7,414	Sussex, East U.D.	−1·37	27·9	*1·65*	1	6,050
Somerset R.D.	−1·29	41·3	*1·87*	2	10,707	Buckinghamshire R.D.	−1·27	48·8	*2·89*	3	10,363
Berkshire R.D.	−1·28	48·4	*2·19*	3	13,699	Bedfordshire U.D.	−1·23	54·5	*3·23*	4	12,384
Dorset U.D.	−1·27	30·2	*1·36*	1	7,330	Oxfordshire U.D.	−1·21	—	—	—	2,451
London	−1·12	86·4	3·91	58	148,502	Monmouthshire R.D.	−1·20	—	—	—	2,442
Norfolk R.D.	−1·11	53·2	*2·41*	3	12,470	Yorkshire, N. Riding R.D.	−1·17	44·7	*2·65*	2	7,540
Shropshire R.D.	−1·09	35·1	*1·59*	1	6,295	Yorkshire, N. Riding U.D.	−1·16	51·7	*3·07*	3	9,786
Wight, Isle of U.D.	−1·09	—	—	—	2,604	Norfolk R.D.	−1·14	57·1	*3·39*	4	11,813
Caernarvonshire U.D.	−1·08	—	—	—	2,594	Carmarthenshire U.D.	−1·13	—	—	—	2,161
Bedfordshire R.D.	−1·05	36·5	*1·65*	1	6,065	Leicestershire R.D.	−1·11	53·3	*3·16*	3	9,484
Huntingdonshire R.D.	−0·98	—	—	—	2,121	Huntingdonshire R.D.	−1·07	—	—	—	1,945
Suffolk, West U.D.	−0·97	—	—	—	2,072	Suffolk, West U.D	−1·07	—	—	—	1,916
Lincolnshire, Kesteven U.D.	−0·94	—	—	—	1,956	Lincolnshire, Kesteven U.D.	−1·04	—	—	—	1,523
Worcestershire R.D.	−0·93	40·7	*1·84*	1	5,427	Pembrokeshire R.D.	−1·03	—	—	—	1,777
Huntingdonshire U.D.	−0·92	—	—	—	1,876	Caernarvonshire R.D.	−0·97	—	—	—	1,579
Yorkshire, W. Riding R.D.	−0·89	71·5	*3·23*	7	21,641	Cornwall U.D.	−0·96	51·5	*3·05*	2	6,548
Caernarvonshire R.D.	−0·87	—	—	—	1,671	Lincolnshire, Holland U.D.	−0·95	—	—	—	1,528
Suffolk, East R.D.	−0·85	43·6	*1·97*	1	5,067	Buckinghamshire U.D.	−0·94	62·8	*3·73*	4	10,736
Yorkshire, N. Riding R.D.	−0·83	56·0	*2·53*	2	7,901	Kent R.D.	−0·94	68·3	*4·05*	6	14,820
Breconshire R.D.	−0·82	—	—	—	1,504	Ely, Isle of R.D.	−0·91	—	—	—	1,394
Anglesey R.D.	−0·75	—	—	—	1,242	Westmorland R.D.	−0·88	—	—	—	1,301
Surrey R.D.	−0·72	60·3	*2·73*	2	7,336	Cardiganshire R.D.	−0·87	—	—	—	1,264
Cambridgeshire R.D.	−0·68	51·5	*2·33*	1	4,292	Essex U.D.	−0·84	86·3	5·12	32	62,530
Warwickshire R.D.	−0·68	67·7	*3·06*	3	9,800	Montgomeryshire R.D.	−0·77	—	—	—	995
Anglesey U.D.	−0·68	—	—	—	1,033	Anglesey U.D.	−0·76	—	—	—	975
Suffolk, East U.D.	−0·64	53·5	*2·42*	1	4,133	Northumberland U.D.	−0·74	75·7	*4·49*	7	15,589
Derbyshire R.D.	−0·58	78·9	*3·57*	6	16,814	Denbighshire R.D.	−0·74	48·6	*2·88*	1	3,472
Montgomeryshire U.D.	−0·56	—	—	—	690	Wiltshire U.D.	−0·73	69·4	*4·12*	4	9,716
Peterborough, Soke of R.D.	−0·52	—	—	—	588	Suffolk, West R.D.	−0·68	51·5	*3·05*	1	3,277
Breconshire U.D.	−0·52	—	—	—	606	Merionethshire R.D.	−0·68	—	—	—	770
Wight, Isle of R.D.	−0·51	—	—	—	581	Sussex, East R.D.	−0·66	62·8	*3·73*	2	5,368
Cardiganshire U.D.	−0·51	—	—	—	582	Montgomeryshire U.D.	−0·64	—	—	—	698
Suffolk, West R.D.	−0·50	61·1	*2·76*	1	3,617	Wiltshire R.D.	−0·61	73·6	*4·37*	4	9,161
Cambridgeshire U.D.	−0·49	61·8	*2·79*	1	3,579	Merionethshire U.D.	−0·61	—	—	—	628
Warwickshire U.D.	−0·46	84·0	*3·80*	7	18,436	Lincolnshire, Lindsey R.D.	−0·59	71·4	*4·23*	3	7,089
Radnorshire R.D.	−0·46	—	—	—	472	Breconshire U.D.	−0·59	—	—	—	596
Kent R.D.	−0·43	84·1	*3·80*	6	15,783	Peterborough, Soke of R.D.	−0·57	—	—	—	551
Sussex, West R.D.	−0·36	77·6	*3·51*	2	5,696	Peterborough, Soke of U.D.	−0·53	59·3	*3·52*	1	2,842
Northamptonshire R.D.	−0·35	77·9	*3·52*	2	5,677	Radnorshire R.D.	−0·52	—	—	—	453

Table CXXIV—*continued*

(D) Congenital hydrocephalus (ICD No. 752)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Flintshire R.D.	−0·35	70·9	*3·21*	1	3,118	Suffolk, East R.D.	−0·49	70·8	*4·20*	2	4,762
Sussex, East R.D.	−0·34	78·6	*3·55*	2	5,627	Devon U.D.	−0·44	80·2	*4·76*	4	8,411
Radnorshire U.D.	−0·33	—	—	—	246	Essex R.D.	−0·44	82·0	*4·87*	5	10,276
Peterborough, Soke of U.D.	−0·31	73·7	*3·33*	1	3,002	Caernarvonshire U.D.	−0·41	66·6	*3·95*	1	2,532
Leicestershire R.D.	−0·29	86·6	*3·92*	4	10,207	Radnorshire U.D.	−0·36	—	—	—	221
Rutland U.D.	−0·28	—	—	—	176	Hertfordshire R.D.	−0·34	85·8	*5·09*	5	9,826
Gloucestershire R.D.	−0·25	90·3	*4·09*	6	14,684	Lincolnshire, Holland R.D.	−0·33	71·7	*4·25*	1	2,352
Oxfordshire R.D.	−0·23	87·8	*3·97*	3	7,555	Rutland U.D.	−0·32	—	—	—	174
Devon R.D.	−0·22	89·7	*4·06*	4	9,862	Yorkshire, E. Riding R.D.	−0·29	81·2	*4·82*	2	4,151
Northumberland U.D.	−0·21	92·5	*4·18*	7	16,731	Bedfordshire R.D.	−0·23	87·7	*5·20*	3	5,769
Herefordshire U.D.	−0·20	82·2	*3·72*	1	2,691	Lincolnshire, Kesteven R.D.	−0·17	88·4	*5·25*	2	3,813
Wiltshire R.D.	−0·20	90·6	*4·10*	4	9,758	Cumberland R.D.	−0·16	91·3	*5·42*	3	5,539
Northamptonshire U.D.	−0·99	89·9	*4·06*	3	7,382	Lincolnshire, Lindsey U.D.	−0·14	93·5	*5·54*	4	7,215
Hampshire R.D.	−0·10	95·9	*4·34*	6	13,838	Cornwall R.D.	−0·10	94·3	*5·60*	3	5,361
Glamorgan U.D.	−0·07	97·7	*4·42*	10	22,637	Surrey R.D.	−0·09	95·6	*5·67*	4	7,054
Pembrokeshire U.D.	−0·06	94·5	*4·27*	1	2,340	Huntingdonshire U.D.	−0·04	96·0	*5·69*	1	1,756
Ely, Isle of U.D.	−0·03	96·6	*4·37*	1	2,289	Cambridgeshire U.D.	−0·02	98·7	*5·85*	2	3,416
Buckinghamshire U.D.	−0·02	99·1	*4·48*	5	11,151	Norfolk U.D.	0·09	106·5	*6·32*	2	3,165
Shropshire U.D.	0·01	100·7	*4·56*	3	6,586	Nottinghamshire R.D.	0·11	104·9	*6·22*	5	8,040
Buckinghamshire R.D.	0·02	100·7	*4·55*	5	10,978	Yorkshire, W. Riding U.D.	0·11	102·1	*6·06*	29	47,874
Pembrokeshire R.D.	0·11	111·4	*5·04*	1	1,985	Denbighshire U.D.	0·17	112·4	*6·67*	2	3,000
Lincolnshire, Kesteven R.D.	0·14	110·5	*5·00*	2	4,001	Cheshire U.D.	0·18	104·4	*6·19*	18	29,058
Yorkshire, W. Riding U.D.	0·20	104·1	*4·71*	24	50,967	Breconshire R.D.	0·18	119·4	*7·08*	1	1,412
Denbighshire R.D.	0·20	115·5	*5·22*	2	3,830	Gloucestershire R.D.	0·22	107·7	*6·39*	9	14,086
Carmarthenshire R.D.	0·22	116·7	*5·28*	2	3,790	Kent U.D.	0·23	104·2	*6·18*	31	50,144
Cornwall R.D.	0·25	115·4	*5·22*	3	5,750	Gloucestershire U.D.	0·30	114·2	*6·77*	5	7,384
Somerset U.D.	0·25	111·9	*5·06*	5	9,878	Yorkshire, E. Riding U.D.	0·32	120·6	*7·15*	3	4,194
Berkshire U.D.	0·26	116·3	*5·26*	3	5,702	Sussex, West U.D.	0·33	114·4	*6·78*	6	8,845
Lancashire R.D.	0·27	110·6	*5·00*	7	13,993	Anglesey R.D.	0·34	140·5	*8·33*	1	1,200
Sussex, West U.D.	0·38	118·5	*5·36*	5	9,330	Northamptonshire U.D.	0·36	117·3	*6·96*	5	7,188
Westmorland R.D.	0·43	153·9	*6·96*	1	1,437	Durham U.D.	0·37	108·8	*6·45*	19	29,450
Cornwall U.D.	0·44	124·4	*5·63*	4	7,111	Oxfordshire R.D.	0·37	117·9	*6·99*	5	7,148
Staffordshire U.D.	0·45	111·7	*5·05*	17	33,665	Berkshire U.D.	0·40	122·2	*7·25*	4	5,521
Ely, Isle of R.D.	0·50	163·3	*7·39*	1	1,354	Durham U.D.	0·42	115·0	*6·82*	9	13,195
Durham U.D.	0·55	114·6	*5·18*	16	30,863	Wight, Isle of U.D.	0·50	142·1	*8·43*	2	2,373
Cardiganshire R.D.	0·55	172·1	*7·78*	1	1,285	Suffolk, East U.D.	0·51	134·4	*7·97*	3	3,764
Hampshire U.D.	0·57	118·0	*5·34*	12	22,482	Yorkshire, W. Riding R.D.	0·54	115·5	*6·85*	14	20,428
Nottinghamshire R.D.	0·61	131·1	*5·93*	5	8,433	Carmarthenshire R.D.	0·54	136·4	*8·09*	3	3,708
Yorkshire, N. Riding U.D.	0·61	128·0	*5·79*	6	10,365	Devonshire R.D.	0·65	127·9	*7·58*	7	9,229
Westmorland U.D.	0·64	187·7	*18·49*	1	1,178	Rutland R.D.	0·65	190·1	*11·27*	1	887
Monmouthshire R.D.	0·71	164·2	*7·43*	2	2,693	Worcestershire R.D.	0·66	139·2	*8·25*	4	4,846
Northumberland R.D.	0·72	151·4	*6·85*	3	4,381	Dorset R.D.	0·75	145·2	*8·61*	4	4,645

Montgomeryshire R.D. ..	0·74	206·4	*9·34*	1	1,071	Shropshire R.D.	0·75	139·9	*8·30*	5	6,027
Lincolnshire, Lindsey U.D. ..	0·78	141·5	*6·40*	5	7,811	Hampshire R.D.	0·77	127·5	*7·56*	10	13,222
Lincolnshire, Holland R.D. ..	0·81	175·6	*7·94*	2	2,519	Lancashire R.D.	0·78	127·8	*7·58*	10	13,189
Rutland R.D.	0·83	224·0	*10·13*	1	987	Warwickshire U.D.	0·84	126·0	*7·48*	13	17,391
Worcestershire U.D. ..	0·83	134·1	*6·06*	8	13,195	Nottinghamshire U.D. ..	0·87	127·2	*7·54*	13	17,235
Essex U.D.	0·85	115·4	*5·22*	35	67,057	Dorset U.D.	0·95	147·0	*8·72*	6	6,880
Gloucestershire U.D. ..	0·87	147·5	*6·67*	5	7,496	Cheshire R.D.	1·00	145·6	*8·64*	7	8,106
Essex R.D.	0·90	140·4	*6·35*	7	11,025	Somerset U.D.	1·02	143·0	*8·48*	8	9,431
Devon U.D.	0·98	148·6	*6·72*	6	8,928	Staffordshire R.D.	1·13	145·4	*8·62*	9	10,435
Merionethshire R.D. ..	1·02	267·4	*12·09*	1	827	Wight, Isle of R.D.	1·17	304·9	*18·08*	1	553
Durham R.D.	1·09	143·4	*6·48*	9	13,881	Cardiganshire U.D.	1·17	304·3	*18·05*	1	554
Norfolk U.D.	1·15	192·2	*8·69*	3	3,451	Lancashire U.D.	1·18	117·5	6·97	54	77,509
Merionethshire U.D' ..	1·18	305·8	*13·83*	1	723	Monmouthshire U D. ..	1·19	145·5	*8·63*	10	11,585
Dorset R.D.	1·19	180·2	*8·15*	4	4,908	Berkshire R.D.	1·26	145·7	*8·64*	11	12,726
Bedfordshire U.D.	1·26	151·8	*6·87*	9	13,109	Worcestershire U.D. ..	1·38	151·2	*8·97*	11	12,267
Lancashire U.D.	1·28	121·0	5·47	45	82,228	Pembrokeshire U.D. ..	1·42	222·6	*13·20*	3	2,272
Derbyshire U.D.	1·29	150·0	*6·79*	10	14,738	Derbyshire R.D.	1·50	148·8	*8·83*	14	15,863
Staffordshire R.D.	1·33	159·1	*7·20*	8	11,118	Flintshire U.D.	1·53	211·3	*12·53*	4	3,192
Glamorgan R.D.	1·33	164·5	*7·44*	7	9,407	Northamptonshire R.D. ..	1·54	185·9	*11·02*	6	5,443
Lincolnshire, Holland U.D. ..	1·45	268·0	*12·12*	2	1,650	Derbyshire U.D.	1·65	157·4	*9·34*	13	13,925
Cumberland U.D.	1·52	210·6	*9·53*	4	4,199	Northumberland R.D. ..	1·67	207·8	*12·33*	5	4,056
Wiltshire U D.	1·56	172·5	*7·80*	8	10,254	Glamorgan R.D.	1·67	173·5	*10·29*	9	8,748
Cheshire R.D.	1·59	180·9	*8·18*	7	8,557	Staffordshire U.D.	1·68	138·9	8·24	26	31,563
Carmarthenshire U.D. ..	1·94	291·3	*13·18*	3	2,277	Flintshire R.D.	1·73	231·5	*13·73*	4	2,913
Cumberland R.D.	1·99	220·4	*9·97*	6	6,020	Westmorland U.D.	1·78	327·4	*19·42*	2	1,030
Denbighshire U.D.	2·03	265·2	*11·99*	4	3,335	Herefordshire R.D.	1·88	247·5	*14·68*	4	2,725
Herefordshire R.D.	2·25	292·4	*13·22*	4	3,025	Somerset R.D.	1·99	180·5	*10·71*	11	10,274
Oxfordshire U.D.	2·57	335·0	*15·15*	4	2,640	Herefordshire U.D.	2·11	274·8	*16·30*	4	2,454
Cheshire U.D.	2·70	172·4	7·80	24	30,774	Ely, Isle of U.D.	2·36	306·0	*18·15*	4	2,204
Monmouthshire U.D. ..	2·70	214·2	*9·69*	12	12,386	Cumberland U.D.	2·42	258·5	*15·33*	6	3,913
Nottinghamshire U.D. ..	2·71	194·4	*8·79*	16	18,197	Leicestershire U.D.	2·44	212·7	*12·61*	10	7,928
Flintshire U.D.	2·71	315·3	*14·26*	5	3,506	Glamorgan U.D.	3·40	194·9	11·56	25	21,630
Leicestershire U.D.	2·80	246·5	*11·15*	9	8,073	Shropshire U.D.	4·48	337·7	*20·03*	12	5,992

Table CXXIV—*continued*

(E) Other malformations of nervous system and sense organs (ICD No. 753)

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**0·86**	**121**	**1,399,604**	**Total**	**0·00**	**100·0**	**1·08**	**142**	**1,320,163**
Surrey U.D.	−1·55	24·0	*0·21*	1	48,231	Nottinghamshire U.D.	−1·36	—	—	—	17,235
Nottinghamshire U.D.	−1·25	—	—	—	18,197	Kent R.D.	−1·26	—	—	—	14,820
Northumberland U.D.	−1·20	—	—	—	16,731	Derbyshire U.D.	−1·22	—	—	—	13,925
Kent R.D.	−1·17	—	—	—	15,783	Cheshire U.D.	−1·20	32·0	*0·34*	1	29,058
Staffordshire U.D.	−1·12	34·4	*0·30*	1	33,665	Hampshire R.D.	−1·19	—	—	—	13,222
Durham R.D.	−1·10	—	—	—	13,881	Berkshire R.D.	−1·17	—	—	—	12,726
Lancashire R.D.	−1·10	—	—	—	13,993	Buckinghamshire U.D.	−1·07	—	—	—	10,736
Worcestershire U.D.	−1·07	—	—	—	13,195	Essex U.D.	−1·05	59·5	*0·64*	4	62,530
Bedfordshire U.D.	−1·06	—	—	—	13,109	Somerset R.D.	−1·05	—	—	—	10,274
Monmouthshire U.D.	−1·03	—	—	—	12,386	Yorkshire, N. Riding U.D.	−1·03	—	—	—	9,786
Middlesex U.D.	−1·02	63·7	*0·55*	5	90,813	Wiltshire U.D.	−1·02	—	—	—	9,716
Buckinghamshire U.D.	−0·98	—	—	—	11,151	Glamorgan R.D.	−0·97	—	—	—	8,748
Essex R.D.	−0·98	—	—	—	11,025	Devon U.D.	−0·95	—	—	—	8,411
Hertfordshire R.D.	−0·94	—	—	—	10,314	Cheshire R.D.	−0·93	—	—	—	8,106
Wiltshire U.D.	−0·94	—	—	—	10,254	Yorkshire, N. Riding R.D.	−0·90	—	—	—	7,540
Devonshire R.D.	−0·92	—	—	—	9,862	Oxfordshire R.D.	−0·88	—	—	—	7,148
Somerset U.D.	−0·92	—	—	—	9,878	Lincolnshire, Lindsey R.D.	−0·87	—	—	—	7,089
Warwickshire R.D.	−0·92	—	—	—	9,800	Surrey R.D.	−0·87	—	—	—	7,054
Wiltshire R.D.	−0·92	—	—	—	9,758	Shropshire R.D.	−0·81	—	—	—	6,027
Cheshire R.D.	−0·86	—	—	—	8,557	Shropshire U.D.	−0·80	—	—	—	5,992
Nottinghamshire R.D.	−0·85	—	—	—	8,433	Bedfordshire R.D.	−0·79	—	—	—	5,769
Yorkshire, N. Riding R.D.	−0·83	—	—	—	7,901	Cumberland R.D.	−0·77	—	—	—	5,539
Gloucestershire U.D.	−0·81	—	—	—	7,496	Staffordshire U.D.	−0·76	58·9	*0·63*	2	31,563
Oxfordshire R.D.	−0·81	—	—	—	7,555	Suffolk, East R.D.	−0·72	—	—	—	4,762
Dorset U.D.	−0·80	—	—	—	7,330	Worcestershire R.D.	−0·72	—	—	—	4,846
Lincolnshire, Lindsey R.D.	−0·80	—	—	—	7,414	Dorset R.D.	−0·71	—	—	—	4,645
Essex U.D.	−0·75	69·0	*0·60*	4	67,057	Yorkshire, E. Riding R.D.	−0·67	—	—	—	4,151
Sussex, East U.D.	−0·75	—	—	—	6,545	Cambridgeshire R.D.	−0·66	—	—	—	4,014
Shropshire R.D.	−0·74	—	—	—	6,295	Durham U.D.	−0·66	63·1	*0·68*	2	29,450
Cumberland R.D.	−0·72	—	—	—	6,020	Northumberland R.D.	−0·66	—	—	—	4,056
Berkshire U.D.	−0·70	—	—	—	5,702	Cumberland U.D.	−0·65	—	—	—	3,913
Sussex, East R.D.	−0·70	—	—	—	5,627	Lincolnshire, Kesteven R.D.	−0·64	—	—	—	3,813
Worcestershire R.D.	−0·68	—	—	—	5,427	Suffolk, East U.D.	−0·64	—	—	—	3,764
Northumberland R.D.	−0·62	—	—	—	4,381	Warwickshire U.D.	−0·64	53·5	*0·58*	1	17,391
Yorkshire, E. Riding R.D.	−0·62	—	—	—	4,428	Cambridgeshire U.D.	−0·61	—	—	—	3,416
Cambridgeshire R.D.	−0·61	—	—	—	4,292	Denbighshire R.D.	−0·61	—	—	—	3,472
Cumberland U.D.	−0·60	—	—	—	4,199	Norfolk U.D.	−0·58	—	—	—	3,165
Suffolk, East U.D.	−0·60	—	—	—	4,133	Denbighshire U.D.	−0·57	—	—	—	3,000
Denbighshire R.D.	−0·58	—	—	—	3,830	Flintshire R.D.	−0·56	—	—	—	2,913
Cambridgeshire U.D.	−0·56	—	—	—	3,579	Peterborough, Soke of U.D.	−0·55	—	—	—	2,842

Suffolk, West R.D.	−0·56	—	—	—	3,617
Norfolk U.D.	−0·55	—	—	—	3,451
Denbighshire U.D.	−0·54	—	—	—	3,335
Flintshire R.D.	−0·52	—	—	—	3,118
Herefordshire U.D.	−0·48	—	—	—	2,691
Oxfordshire U.D.	−0·48	—	—	—	2,640
Monmouthshire R.D.	−0·48	—	—	—	2,693
Lincolnshire, Holland R.D.	−0·47	—	—	—	2,519
Wight, Isle of U.D.	−0·47	—	—	—	2,604
Caernarvonshire U.D.	−0·47	—	—	—	2,594
Pembrokeshire U.D.	−0·45	—	—	—	2,340
Carmarthenshire U.D.	−0·44	—	—	—	2,277
Huntingdonshire R.D.	−0·43	—	—	—	2,121
Suffolk, West U.D.	−0·42	—	—	—	2,072
Durham U.D.	−0·41	75·0	*0·65*	2	30,863
Lincolnshire, Kesteven U.D.	−0·41	—	—	—	1,956
Pembrokeshire R.D.	−0·41	—	—	—	1,985
Huntingdonshire U.D.	−0·40	—	—	—	1,876
Lincolnshire, Holland U.D.	−0·38	—	—	—	1,650
Caernarvonshire R.D.	−0·38	—	—	—	1,671
Breconshire R.D.	−0·36	—	—	—	1,504
Westmorland R.D.	−0·35	—	—	—	1,437
Anglesey R.D.	−0·33	—	—	—	1,242
Cardiganshire R.D.	−0·33	—	—	—	1,285
Westmorland U.D.	−0·32	—	—	—	1,178
Anglesey U.D.	−0·30	—	—	—	1,033
Montgomeryshire R.D.	−0·30	—	—	—	1,071
Rutland R.D.	−0·29	—	—	—	987
Merionethshire R.D.	−0·27	—	—	—	827
Derbyshire U.D.	−0·24	78·5	*0·68*	1	14,738
Montgomeryshire U.D.	−0·24	—	—	—	690
Peterborough, Soke of R.D.	−0·23	—	—	—	588
Breconshire U.D.	−0·23	—	—	—	606
Wight, Isle of R.D.	−0·22	—	—	—	581
Cardiganshire U.D.	−0·22	—	—	—	582
Radnorshire R.D.	−0·20	—	—	—	472
Yorkshire, W. Riding U.D.	−0·19	90·8	*0·78*	4	50,967
Radnorshire U.D.	−0·15	—	—	—	246
Rudland U.D.	−0·12	—	—	—	176
Norfolk R.D.	−0·08	92·8	*0·80*	1	12,470
Hampshire U.D.	0·04	102·9	*0·89*	2	22,482
Staffordshire R.D.	0·04	104·0	*0·90*	1	11,118
Buckinghamshire R.D.	0·05	105·4	*0·91*	1	10,978
Yorkshire, W. Riding R.D.	0·09	106·9	*0·92*	2	21,641
Yorkshire, N. Riding U.D.	0·11	111·6	*0·96*	1	10,365
Kent U.D.	0·19	109·0	*0·94*	5	53,066
Sussex, West U.D.	0·22	124·0	*1·07*	1	9,330
Leicestershire U.D.	0·36	143·3	*1·24*	1	8,073
Lincolnshire, Lindsey U.D.	0·40	148·1	*1·28*	1	7,811
Northamptonshire U.D.	0·45	156·7	*1·35*	1	7,382
Surrey R.D.	0·46	157·7	*1·36*	1	7,336
Shropshire U.D.	0·57	175·6	*1·52*	1	6,586
Gloucestershire R.D.	0·65	157·6	*1·36*	2	14,684
Bedfordshire R.D.	0·66	190·7	*1·65*	1	6,065
Derbyshire R.D.	−0·54	58·6	*0·63*	1	15,863
Herefordshire R.D.	−0·54	—	—	—	2,725
Northumberland U.D.	−0·52	59·6	*0·64*	1	15,589
Caernarvonshire U.D.	−0·52	—	—	—	2,532
Herefordshire U.D.	−0·51	—	—	—	2,454
Wight, Isle of U.D.	−0·51	—	—	—	2,373
Yorkshire, W. Riding U.D.	−0·51	77·7	*0·84*	4	47,874
Monmouthshire R.D.	−0·51	—	—	—	2,442
Ely, Isle of U.D.	−0·49	—	—	—	2,204
Pembrokeshire U.D.	−0·49	—	—	—	2,272
Carmarthenshire U.D.	−0·48	—	—	—	2,161
Huntingdonshire R.D.	−0·46	—	—	—	1,945
Lincolnshire, Kesteven U.D.	−0·44	—	—	—	1,823
Lincolnshire, Holland U.D.	−0·41	—	—	—	1,528
Caernarvonshire R.D.	−0·41	—	—	—	1,579
Ely, Isle of R.D.	−0·39	—	—	—	1,394
Westmorland R.D.	−0·37	—	—	—	1,301
Cardiganshire R.D.	−0·37	—	—	—	1,264
Anglesey R.D.	−0·36	—	—	—	1,200
Durham R.D.	−0·35	70·5	*0·76*	1	13,195
Montgomeryshire R.D.	−0·33	—	—	—	995
Anglesey U.D.	−0·32	—	—	—	975
Rutland R.D.	−0·31	—	—	—	887
Bedfordshire U.D.	−0·29	75·1	*0·81*	1	12,384
Merionethshire R.D.	−0·29	—	—	—	770
Worcestershire U.D.	−0·28	75·8	*0·82*	1	12,267
Montgomeryshire U.D.	−0·27	—	—	—	698
Merionethshire U.D.	−0·26	—	—	—	628
Breconshire U.D.	−0·25	—	—	—	596
Peterborough, Soke of R.D.	−0·24	—	—	—	551
Wight, Isle of R.D.	−0·24	—	—	—	553
Cardiganshire U.D.	−0·24	—	—	—	554
Radnorshire R.D.	−0·22	—	—	—	453
Radnorshire U.D.	−0·15	—	—	—	221
Rutland U.D.	−0·14	—	—	—	174
Yorkshire, W. Riding R.D.	−0·13	91·0	*0·98*	2	20,428
Lancashire U.D.	−0·12	96·0	*1·03*	8	77,509
Staffordshire R.D.	−0·12	89·1	*0·96*	1	10,435
Essex R.D.	−0·10	90·5	*0·97*	1	10,276
Middlesex U.D.	−0·07	97·7	*1·05*	9	85,623
Hertfordshire R.D.	−0·06	94·6	*1·02*	1	9,826
Leicestershire R.D.	−0·02	98·0	*1·05*	1	9,484
Warwickshire R.D.	0·00	99·9	*1·07*	1	9,309
Wiltshire R.D.	0·01	101·5	*1·09*	1	9,161
Sussex, West U.D.	0·05	105·1	*1·13*	1	8,845
Hertfordshire U.D.	0·15	109·2	*1·17*	3	25,539
Nottinghamshire R.D.	0·15	115·6	*1·24*	1	8,040
Leicestershire U.D.	0·16	117·3	*1·26*	1	7,928
Dorset U.D.	0·30	135·1	*1·45*	1	6,880
Cornwall U.D.	0·35	142·0	*1·53*	1	6,548
Sussex, East U.D.	0·43	153·7	*1·65*	1	6,050
Surrey U.D.	0·48	121·5	*1·31*	6	45,893
Berkshire U.D.	0·53	168·4	*1·81*	1	5,521
Cornwall R.D.	0·56	173·4	*1·87*	1	5,361

Table CXXIV—*continued*

(E) Other malformations of nervous system and sense organs (ICD No. 753)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Sussex, West R.D.	0·72	203·1	*1·76*	1	5,696	Sussex, East R.D.	0·56	173·2	*1·86*	1	5,368
Northamptonshire R.D. ..	0·73	203·8	*1·76*	1	5,677	Sussex, West R.D.	0·57	175·7	*1·89*	1	5,290
Berkshire R.D.	0·75	168·9	*1·46*	2	13,699	Kent U.D.	0·69	129·8	*1·40*	7	50,144
Glamorgan U.D.	0·75	153·3	*1·33*	3	22,637	Yorkshire, E. Riding U.D. ..	0·82	221·7	*2·38*	1	4,194
Cheshire U.D.	0·82	150·4	*1·30*	4	30,774	Carmarthenshire R.D. ..	0·95	250·7	*2·70*	1	3,708
London	0·88	124·6	*1·08*	16	148,502	Somerset U.D.	0·98	197·2	*2·12*	2	9,431
Dorset R.D.	0·88	235·7	*2·04*	1	4,908	Devon R.D.	1·01	201·5	*2·17*	2	9,229
Yorkshire, E. Riding U.D. ..	0·98	257·9	*2·23*	1	4,485	Suffolk, West R.D.	1·09	283·7	*3·05*	1	3,277
Hertfordshire U.D.	1·08	170·4	*1·47*	4	27,146	Flintshire U.D.	1·12	291·3	*3·13*	1	3,192
Lincolnshire, Kesteven R.D.	1·11	289·1	*2·50*	1	4,001	Hampshire U.D.	1·13	175·0	*1·88*	4	21,248
Carmarthenshire R.D. ..	1·17	305·2	*2·64*	1	3,790	Gloucestershire R.D. ..	1·21	198·0	*2·13*	3	14,086
Leicestershire R.D.	1·19	226·7	*1·96*	2	10,207	Lancashire R.D.	1·33	211·5	*2·27*	3	13,189
Flintshire U.D.	1·27	329·9	*2·85*	1	3,506	Lincolnshire, Lindsey U.D. ..	1·39	257·7	*2·77*	2	7,215
Derbyshire R.D.	1·28	206·4	*1·78*	3	16,814	Northamptonshire U.D. ..	1·40	258·7	*2·78*	2	7,188
Glamorgan R.D.	1·32	245·9	*2·13*	2	9,407	Oxfordshire U.D.	1·43	379·3	*4·08*	1	2,451
Devon U.D.	1·40	259·1	*2·24*	2	8,928	Lincolnshire, Holland R.D. ..	1·49	395·3	*4·25*	1	2,352
Herefordshire R.D.	1·44	382·4	*3·31*	1	3,025	Norfolk R.D.	1·53	236·1	*2·54*	3	11,813
Peterborough, Soke of U.D.	1·45	385·3	*3·33*	1	3,002	Monmouthshire U.D. ..	1·57	240·8	*2·59*	3	11,585
Lancashire U.D.	1·46	154·7	*1·34*	11	82,228	Suffolk, West U.D.	1·75	485·2	*5·22*	1	1,916
Warwickshire U.D.	1·91	251·0	*2·17*	4	18,436	Glamorgan U.D.	1·75	214·9	*2·31*	5	21,630
Cornwall R.D.	2·13	402·3	*3·48*	2	5,750	Buckinghamshire R.D. ..	1·79	269·1	*2·89*	3	10,363
Suffolk, East R.D.	2·36	456·6	*3·95*	2	5,067	Northamptonshire R.D. ..	1·85	341·6	*3·67*	2	5,443
Hampshire R.D.	2·56	334·4	*2·89*	4	13,838	Pembrokeshire R.D. ..	1·85	523·2	*5·63*	1	1,777
Ely, Isle of R.D.	2·58	854·3	*7·39*	1	1,354	London	2·02	151·9	1·63	23	140,785
Cornwall U.D.	3·04	488·0	*4·22*	3	7,111	Breconshire R.D.	2·18	658·4	*7·08*	1	1,412
Somerset R.D.	3·20	432·1	*3·74*	4	10,707	Gloucestershire U.D. ..	2·48	377·7	*4·06*	3	7,384
Merionethshire U.D. ..	3·75	599·9	*13·83*	1	723	Westmorland U.D.	2·67	902·6	*9·71*	1	1,030
Ely, Isle of U.D.	4·05	10·7	*8·74*	2	2,289	Huntingdonshire U.D. ..	4·17	58·9	*11·39*	2	1,756

Table CXXIV—*continued*

(F) Congenital malformations of circulatory system (ICD No. 754)

Total	**0·00**	**100·0**	**18·93**	**2,650**	**1,399,604**	**Total**	**0·00**	**100·0**	**15·96**	**2,107**	**1,320,163**
Suffolk, West R.D.	−2·23	14·6	*2·76*	1	3,617	Norfolk U.D.	−2·25	—	—	—	3,165
Surrey U.D.	−2·23	76·7	14·51	70	48,231	Leicestershire R.D.	−2·09	46·2	*7·38*	7	9,484
Bedfordshire U.D.	−2·17	56·4	*10·68*	14	13,109	Yorkshire, N. Riding R.D. ..	−2·03	41·5	*6·63*	5	7,540
Leicestershire R.D.	−2·12	51·7	*9·80*	10	10,207	Nottinghamshire U.D. ..	−2·00	61·8	*9·86*	17	17,235
Flintshire R.D.	−2·02	16·9	*3·21*	1	3,118	Yorkshire, E. Riding R.D. ..	−1·80	30·2	*4·82*	2	4,151
Oxfordshire U.D.	−1·79	20·0	*3·79*	1	2,640	Essex U.D.	−1·78	82·2	13·11	82	62,530
Northumberland U.D. ..	−1·54	72·6	13·75	23	16,731	Flintshire R.D.	−1·69	21·5	*3·43*	1	2,913
Essex U.D.	−1·51	86·6	16·40	110	67,057	Dorset R.D.	−1·62	40·5	*6·46*	3	4,645
Buckinghamshire R.D. ..	−1·49	67·4	*12·75*	14	10,978	Lancashire R.D.	−1·54	66·5	*10·61*	14	13,189
Sussex, West R.D.	−1·46	55·6	*10·53*	6	5,696	Hampshire U.D.	−1·53	73·7	11·77	25	21,248
Dorset R.D.	−1·41	53·8	*10·19*	5	4,908	Herefordshire U.D.	−1·47	25·5	*4·07*	1	2,454
Anglesey U.D.	−1·40	—	—	—	1,033	Wight, Isle of U.D.	−1·43	26·4	*4·21*	1	2,373
Suffolk, East U.D.	−1·37	51·1	*9·68*	4	4,133	Bedfordshire R.D.	−1·39	54·3	*8·67*	5	5,769
Leicestershire U.D.	−1·35	65·4	*12·39*	10	8,073	Anglesey R.D.	−1·38	—	—	—	1,200
Caernarvonshire U.D. ..	−1·31	40·7	*7·71*	2	2,594	Glamorgan R.D.	−1·33	64·5	*10·29*	9	8,748
Yorkshire, E. Riding U.D. ..	−1·20	58·9	*11·15*	5	4,485	Anglesey U.D.	−1·25	—	—	—	975
Berkshire R.D.	−1·17	77·1	14·60	20	13,699	Cornwall R.D.	−1·22	58·4	*9·33*	5	5,361
Montgomeryshire U.D. ..	−1·14	—	—	—	690	Yorkshire, N. Riding U.D. ..	−1·17	70·4	*11·24*	11	9,786
Cardiganshire U.D.	−1·05	—	—	—	582	Yorkshire, W. Riding R.D. ..	−1·16	79·7	12·73	26	20,428
Yorkshire, N. Riding U.D. ..	−1·04	76·4	*14·47*	15	10,365	Kent U.D.	−1·12	87·5	13·96	70	50,144
Hertfordshire U.D.	−1·03	85·9	16·21	44	27,146	Merionethshire R.D. ..	−1·11	—	—	—	770
Hampshire R.D.	−1·02	80·2	15·18	21	13,838	Monmouthshire U.D. ..	−1·04	75·7	*12·08*	14	11,585
Hertfordshire R.D.	−1·02	76·8	*14·54*	15	10,314	Leicestershire U.D.	−1·03	71·1	*11·35*	9	7,928
Huntingdonshire R.D. ..	−1·01	49·8	*9·43*	2	2,121	Middlesex U.D.	−1·00	91·5	14·60	125	85,623
Nottinghamshire R.D. ..	−0·99	75·2	*14·23*	12	8,433	Breconshire U.D.	−0·98	—	—	—	596
Radnorshire R.D.	−0·95	—	—	—	472	Peterborough, Soke of R.D.	−0·94	—	—	—	551
Nottinghamshire U.D. ..	−0·93	84·2	15·94	29	18,197	Wight, Isle of R.D.	−0·94	—	—	—	553
Monmouthshire R.D. ..	−0·93	58·8	*11·14*	3	2,693	Cardiganshire U.D.	−0·94	—	—	—	554
Lincolnshire, Kesteven U.D.	−0·89	54·0	*10·22*	2	1,956	Devon U.D.	−0·93	74·5	*11·89*	10	8,411
Staffordshire R.D.	−0·88	80·8	*15·29*	17	11,118	Lincolnshire, Holland U.D. ..	−0·92	41·0	*6·54*	1	1,528
Anglesey R.D.	−0·88	42·5	*8·05*	1	1,242	Lincolnshire, Holland R.D. ..	−0·91	53·3	*8·50*	2	2,352
Berkshire U.D.	−0·85	74·1	*14·03*	8	5,702	Northamptonshire R.D. ..	−0·91	69·1	*11·02*	6	5,443
Huntingdonshire U.D. ..	−0·82	56·3	*10·66*	2	1,876	Lincolnshire, Kesteven R.D.	−0·85	65·7	*10·49*	4	3,813
Dorset U.D.	−0·77	79·3	*15·01*	11	7,330	Cheshire R.D.	−0·82	77·3	*12·34*	10	8,106
Gloucestershire R.D. ..	−0·72	86·3	16·34	24	14,684	Cornwall U.D.	−0·76	76·5	*12·22*	8	6,548
Montgomeryshire R.D. ..	−0·72	49·3	*9·34*	1	1,071	Bedfordshire U.D.	−0·62	86·0	*13·73*	17	12,384
Devon U.D.	−0·71	82·8	*15·68*	14	8,928	Yorkshire, W. Riding U.D. ..	−0·62	92·9	14·83	71	47,874
Shropshire U.D.	−0·70	80·2	15·18	10	6,586	Berkshire U.D.	−0·61	79·4	*12·68*	7	5,521
Cambridgeshire U.D. ..	−0·68	73·8	*13·97*	5	3,579	Suffolk, West U.D.	−0·61	65·4	*10·44*	2	1,916
Rutland R.D.	−0·64	53·5	*10·13*	1	987	Northumberland R.D. ..	−0·58	77·2	12·33	5	4,056
Norfolk U.D.	−0·60	76·5	*14·49*	5	3,451	Cambridgeshire R.D. ..	−0·56	78·0	*12·46*	5	4,014
Rutland U.D.	−0·58	—	—	—	176	Lincolnshire, Kesteven U.D.	−0·53	68·7	*10·97*	2	1,823
Surrey R.D.	−0·51	86·4	*16·36*	12	7,336	Rutland U.D.	−0·53	—	—	—	174
Suffolk, West U.D.	−0·47	76·5	*14·48*	3	2,072	Cheshire U.D.	−0·50	92·7	14·80	43	29,058
Northumberland R.D. ..	−0·45	84·4	*15·98*	7	4,381	Westmorland U.D.	−0·50	60·8	*9·71*	1	1,030
Merionethshire R.D. ..	−0·45	63·9	*12·09*	1	827	Pembrokeshire R.D. ..	−0·50	70·5	*11·25*	2	1,777
Cheshire U.D.	−0·43	94·4	17·87	55	30,774	Hampshire R.D.	−0·46	90·0	*14·37*	19	13,222

Table CXXIV—*continued*

(F) Congenital malformations of circulatory system (ICD No. 754)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Cumberland R.D.	−0·41	87·7	*16·61*	10	6,020	Hertfordshire U.D.	−0·43	93·2	14·88	38	25,539
Cornwall U.D.	−0·40	89·1	*16·88*	12	7,111	Wiltshire U.D.	−0·38	90·3	*14·41*	14	9,716
Sussex, East U.D.	−0·40	88·8	*16·81*	11	6,545	Denbighshire U.D.	−0·36	83·5	*13·33*	4	3,000
Sussex, West U.D.	−0·40	90·6	*17·15*	16	9,330	Pembrokeshire U.D. ..	−0·33	82·7	*13·20*	3	2,272
Lincolnshire, Holland R.D. ..	−0·35	83·9	*15·88*	4	2,519	Dorset U.D.	−0·30	91·1	*14·53*	10	6,880
Merionethshire U.D. ..	−0·32	73·1	*13·83*	1	723	Berkshire R.D.	−0·29	93·5	*14·93*	19	12,726
Monmouthshire U.D. ..	−0·30	93·8	17·76	22	12,386	Carmarthenshire U.D. ..	−0·24	87·0	*13·88*	3	2,161
Northamptonshire R.D. ..	−0·23	93·0	*17·61*	10	5,677	Gloucestershire U.D. ..	−0·23	93·3	*14·90*	11	7,384
Lincolnshire, Lindsey U.D. ..	−0·21	94·7	*17·92*	14	7,811	Shropshire R.D.	−0·20	93·6	*14·93*	9	6,027
Suffolk, East R.D.	−0·19	93·8	*17·76*	9	5,067	Cambridgeshire U.D. ..	−0·19	91·7	*14·64*	5	3,416
Devon R.D.	−0·16	96·4	*18·25*	18	9,862	Breconshire R.D.	−0·17	88·7	*14·16*	2	1,412
Warwickshire U.D.	−0·15	97·4	18·44	34	18,436	Sussex, West R.D.	−0·15	94·8	*15·12*	8	5,290
Bedfordshire R.D.	−0·14	95·8	*18·14*	11	6,065	Montgomeryshire U.D. ..	−0·11	89·8	*14·33*	1	698
Breconshire U.D.	−0·14	87·2	*16·50*	1	606	Lincolnshire, Lindsey R.D. ..	−0·09	97·2	*15·52*	11	7,089
Denbighshire U.D.	−0·13	95·0	*17·99*	6	3,335	Surrey U.D.	−0·03	99·7	15·91	73	45,893
Staffordshire U.D.	−0·09	98·8	18·71	63	33,665	Cardiganshire R.D.	−0·01	99·1	*15·82*	2	1,264
Yorkshire, W. Riding U.D. ..	−0·05	99·5	18·84	96	50,967	Norfolk R.D.	0·03	100·8	*16·08*	19	11,813
Yorkshire, N. Riding R.D. ..	0·01	100·3	*18·98*	15	7,901	Carmarthenshire R.D. ..	0·03	101·4	*16·18*	6	3,708
Shropshire R.D.	0·02	100·7	*19·06*	12	6,295	Cumberland R.D.	0·05	101·8	*16·25*	9	5,539
Cornwall R.D.	0·03	101·0	*19·13*	11	5,750	Nottinghamshire R.D. ..	0·05	101·3	*16·17*	13	8,040
Durham U.D.	0·07	101·0	19·12	59	30,863	Wiltshire R.D.	0·10	102·6	*16·37*	15	9,161
Middlesex U.D.	0·08	100·6	19·05	173	90,813	Gloucestershire R.D. ..	0·11	102·3	16·33	23	14,086
Breconshire R.D.	0·09	105·3	*19·95*	3	1,504	Huntingdonshire U.D. ..	0·12	107·0	*17·08*	3	1,756
Lancashire R.D.	0·10	101·9	19·30	27	13,993	Lincolnshire, Lindsey U.D. ..	0·14	104·2	*16·63*	12	7,215
Westmorland R.D.	0·17	110·3	*20·88*	3	1,437	Suffolk, East R.D.	0·15	105·3	*16·80*	8	4,762
Lincolnshire, Lindsey R.D. ..	0·26	106·9	*20·23*	15	7,414	Denbighshire R.D.	0·19	108·3	*17·28*	6	3,472
Lancashire U.D.	0·27	102·1	19·34	159	82,228	Durham R.D.	0·20	104·5	16·67	22	13,195
Northamptonshire U.D. ..	0·27	107·3	*20·32*	15	7,382	Lancashire U.D.	0·21	101·9	16·26	126	77,509
Denbighshire R.D.	0·28	110·3	*20·89*	8	3,830	Surrey R.D.	0·22	106·6	*17·01*	12	7,054
Carmarthenshire R.D. ..	0·31	111·5	*21·11*	8	3,790	Somerset U.D.	0·24	106·3	*16·97*	16	9,431
Ely, Isle of U.D.	0·32	115·4	*21·84*	5	2,289	Ely, Isle of U.D.	0·26	113·7	*18·15*	4	2,204
Buckinghamshire U.D. ..	0·41	108·9	20·63	23	11,151	Caernarvonshire R.D. ..	0·30	119·0	*19·00*	3	1,579
Sussex, East R.D.	0·41	112·6	*21·33*	12	5,627	Herefordshire R.D.	0·31	115·0	*18·35*	5	2,725
Cheshire R.D.	0·45	111·1	*21·04*	18	8,557	Staffordshire R.D.	0·33	108·1	*17·25*	18	10,435
Oxfordshire R.D.	0·45	111·9	*21·18*	16	7,555	Suffolk, West R.D.	0·34	114·7	*18·31*	6	3,277
Wight, Isle of U.D.	0·48	121·7	*23·04*	6	2,604	Essex R.D.	0·39	109·8	*17·52*	18	10,276
Norfolk R.D.	0·49	110·1	20·85	26	12,470	Flintshire U.D.	0·40	117·8	*18·80*	6	3,192
Westmorland U.D.	0·52	134·5	*25·47*	3	1,178	Worcestershire R.D. ..	0·46	116·4	*18·57*	9	4,846
Herefordshire R.D.	0·53	122·2	*23·14*	7	3,025	Oxfordshire R.D.	0·47	114·0	*18·19*	13	7,148
Flintshire U.D.	0·53	120·5	*22·82*	8	3,506	Sussex, East R.D.	0·49	116·7	*18·63*	10	5,368
Peterborough, Soke of U.D.	0·55	123·2	*23·32*	7	3,002	Yorkshire, E Riding U.D. ..	0·50	119·5	*19·07*	8	4,194
Derbyshire R.D.	0·56	109·9	20·82	35	16,814	Huntingdonshire R.D. ..	0·51	128·9	*20·57*	4	1,945

Yorkshire, E. Riding R.D. ..	0·56	119·3	*22·58*	10	4,428	Staffordshire U.D.	0·51	107·2	17·11	54	31,563
Cumberland U.D.	0·73	125·8	*23·82*	10	4,199	Ely, Isle of R.D.	0·52	134·8	*21·52*	3	1,394
Durham R.D.	0·73	114·1	21·61	30	13,881	Monmouthshire R.D. ..	0·56	128·3	*20·48*	5	2,442
Gloucestershire U.D. ..	0·75	119·8	*22·68*	17	7,496	Westmorland R.D.	0·64	144·5	*23·06*	3	1,301
Radnorshire U.D.	0·78	214·7	*40·65*	1	246	Buckinghamshire U.D. ..	0·69	116·7	18·63	20	10,736
Carmarthenshire U.D. ..	0·81	139·2	*26·35*	6	2,277	Kent R.D.	0·69	114·2	18·22	27	14,820
Herefordshire U.D.	0·84	137·4	*26·01*	7	2,691	Peterborough, Soke of U.D.	0·69	132·3	*21·11*	6	2,842
Wight, Isle of R.D.	0·86	181·8	*34·42*	2	581	Sussex, East U.D.	0·75	124·3	*19·83*	12	6,050
Lincolnshire, Kesteven R.D.	0·88	132·0	*24·99*	10	4,001	Derbyshire U.D.	0·80	117·0	18·67	26	13,925
Ely, Isle of R.D.	0·90	156·0	*29·54*	4	1,354	Suffolk, East U.D.	0·81	133·2	*21·25*	8	3,764
Somerset U.D.	0·99	123·0	23·28	23	9,878	Warwickshire R.D.	0·82	121·2	*19·34*	18	9,309
Glamorgan R.D.	0·99	123·5	23·39	22	9,407	Somerset R.D.	0·89	122·0	19·47	20	10,274
Cardiganshire R.D.	1·00	164·4	*31·13*	4	1,285	Caernarvonshire U.D. ..	0·97	148·5	*23·70*	6	2,532
Caernarvonshire R.D. ..	1·03	158·0	*29·92*	5	1,671	Merionethshire U.D. ..	1·00	199·5	*31·85*	2	628
Wiltshire U.D.	1·04	123·6	23·41	24	10,254	Durham U.D.	1·02	114·9	18·34	54	29.450
Glamorgan U.D.	1·09	116·7	22·09	50	22,637	Radnorshire U.D.	1·09	283·5	*45·25*	1	221
Essex R.D.	1·12	124·6	23·58	26	11,025	Buckinghamshire R.D. ..	1·10	127·0	20·26	21	10,363
Kent R.D.	1·12	120·5	22·81	36	15,783	Shropshire U.D.	1·11	135·9	*21·70*	13	5,992
Derbyshire U.D.	1·15	121·8	23·07	34	14,738	Montgomeryshire R.D. ..	1·12	188·9	*30·15*	3	995
Worcestershire U.D. ..	1·20	124·1	23·49	31	13,195	Warwickshire U.D.	1·19	122·5	19·55	34	17,391
Somerset R.D.	1·27	128·3	24·28	26	10,707	Northumberland U.D. ..	1·23	124·6	19·89	31	15,589
Wiltshire R.D.	1·29	129·9	24·60	24	9,758	Rutland R.D.	1·33	211·9	*33·82*	3	887
Yorkshire, W. Riding R.D. ..	1·41	122·0	23·10	50	21,641	Northamptonshire U.D. ..	1·34	139·5	*22·26*	16	7,188
Kent U.D.	1·55	115·5	21·86	116	53,066	Worcestershire U.D. ..	1·45	132·8	21·20	26	12,267
Cambridgeshire R.D. ..	1·71	160·0	*30·29*	13	4,292	Hertfordshire R.D.	1·60	140·3	22·39	22	9,826
London	1·78	110·6	20·94	311	148,502	Devon R.D.	1·89	149·4	23·84	22	9,229
Peterborough, Soke of R.D.	1·79	269·5	*51·02*	3	588	Cumberland U.D.	1·90	176·1	*28·11*	11	3,913
Worcestershire R.D. ..	1·79	155·7	*29·48*	16	5,427	Oxfordshire U.D.	2·07	204·5	*32·64*	8	2,451
Hampshire U.D.	2·06	131·6	24·91	56	22,482	Derbyshire R.D.	2·32	146·1	23·32	37	15,863
Pembrokeshire R.D. ..	2·19	212·9	*40·30*	8	1,985	Sussex, West U.D.	2·36	162·9	26·00	23	8,845
Warwickshire R.D.	2·42	156·3	29·59	29	9,800	London	2·49	116·6	18·61	262	140,785
Pembrokeshire U.D. ..	2·65	225·7	*42·74*	10	2,340	Glamorgan U.D.	2·80	147·7	23·58	51	21,630
Lincolnshire, Holland U.D...	2·76	256·1	*48·48*	8	1,650	Radnorshire R.D.	5·03	691·6	*110·38*	5	453

Table CXXIV—*continued*

(G) Congenital malformations of digestive system (ICD No. 756)

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Total	**0·00**	**100·0**	**5·20**	**728**	**1,399,604**	**Total**	**0·00**	**100·0**	**3·67**	**485**	**1,320,163**
London	−2·30	73·8	3·84	57	148,502	Essex U.D.	−2·29	52·2	*1·92*	12	62,530
Kent U.D.	−1·83	65·2	*3·39*	18	53,066	London	−2·05	71·5	2·63	37	140,785
Surrey U.D.	−1·81	63·8	*3·32*	16	48,231	Sussex, East U.D.	−1·49	—	—	—	6,050
Northumberland R.D.	−1·51	—	—	—	4,381	Somerset R.D.	−1·43	26·5	*0·97*	1	10,274
Cambridgeshire R.D.	−1·49	—	—	—	4,292	Sussex, West R.D.	−1·39	—	—	—	5,290
Bedfordshire U.D.	−1·46	44·0	*2·29*	3	13,109	Warwickshire U.D.	−1·34	47·0	*1·73*	3	17,391
Hertfordshire U.D.	−1·36	63·7	*3·32*	9	27,146	Suffolk, East R.D.	−1·32	—	—	—	4,762
Gloucestershire R.D.	−1·32	52·4	*2·72*	4	14,684	Warwickshire R.D.	−1·31	29·2	*1·07*	1	9,309
Bedfordshire R.D.	−1·21	31·7	*1·65*	1	6,065	Northumberland R.D.	−1·22	—	—	—	4,056
Monmouthshire R.D.	−1·18	—	—	—	2,693	Cambridgeshire R.D.	−1·21	—	—	—	4,014
Warwickshire U.D.	−1·16	62·6	*3·25*	6	18,436	Devon U.D.	−1·19	32·4	*1·19*	1	8,411
Somerset R.D.	−1·09	53·9	*2·80*	3	10,707	Suffolk, East U.D.	−1·18	—	—	—	3,764
Worcestershire R.D.	−1·08	35·4	*1·84*	1	5,427	Suffolk, West R.D.	−1·10	—	—	—	3,277
Leicestershire R.D.	−1·00	56·5	*2·94*	3	10,207	Norfolk U.D.	−1·08	—	—	—	3,165
Huntingdonshire U.D.	−0·99	—	—	—	1,876	Flintshire U.D.	−1·08	—	—	—	3,192
Westmorland R.D.	−0·86	—	—	—	1,437	Denbighshire U.D.	−1·05	—	—	—	3,000
Ely, Isle of R.D.	−0·84	—	—	—	1,354	Lincolnshire, Lindsey U.D.	−1·01	37·7	*1·39*	1	7,215
Essex U.D.	−0·83	86·0	4·47	30	67,057	Hampshire U.D.	−1·00	64·1	*2·35*	5	21,248
Berkshire R.D.	−0·80	70·2	*3·65*	5	13,699	Herefordshire R.D.	−1·00	—	—	—	2,725
Anglesey R.D.	−0·80	—	—	—	1,242	Oxfordshire U.D.	−0·95	—	—	—	2,451
Westmorland U.D.	−0·78	—	—	—	1,178	Lincolnshire, Holland R.D.	−0·93	—	—	—	2,352
Montgomeryshire R.D.	−0·75	—	—	—	1,071	Essex R.D.	−0·91	53·0	*1·95*	2	10,276
Anglesey U.D.	−0·73	—	—	—	1,033	Ely, Isle of U.D.	−0·90	—	—	—	2,204
Rutland R.D.	−0·72	—	—	—	987	Lancashire R.D.	−0·84	61·9	*2·27*	3	13,189
Carmarthenshire R.D.	−0·69	50·7	*2·64*	1	3,790	Suffolk, West U.D.	−0·84	—	—	—	1,916
Suffolk, West R.D.	−0·64	53·2	*2·76*	1	3,617	Cheshire U.D.	−0·82	74·9	*2·75*	8	29,058
Cambridgeshire U.D.	−0·63	53·7	*2·79*	1	3,579	Lincolnshire, Kesteven U.D.	−0·82	—	—	—	1,823
Flintshire U.D.	−0·61	54·8	*2·85*	1	3,506	Shropshire U.D.	−0·81	45·4	*1·67*	1	5,992
Staffordshire U.D.	−0·60	85·7	*4·46*	15	33,665	Huntingdonshire U.D.	−0·80	—	—	—	1,756
Yorkshire, N. Riding U.D.	−0·60	74·2	*3·86*	4	10,365	Hertfordshire U.D.	−0·78	74·6	*2·74*	7	25,539
Montgomeryshire U.D.	−0·60	—	—	—	690	Bedfordshire R.D.	−0·77	47·2	*1·73*	1	5,769
Norfolk U.D.	−0·59	55·7	*2·90*	1	3,451	Derbyshire R.D.	−0·76	68·6	*2·52*	4	15,863
Wiltshire U.D.	−0·58	75·0	*3·90*	4	10,254	Caernarvonshire R.D.	−0·76	—	—	—	1,579
Breconshire U.D.	−0·56	—	—	—	606	Wiltshire R.D.	−0·74	59·4	*2·18*	2	9,161
Peterborough, Soke of R.D.	−0·55	—	—	—	588	Northumberland U.D.	−0·72	69·8	*2·57*	4	15,589
Wight, Isle of R.D.	−0·55	—	—	—	581	Northamptonshire R.D.	−0·71	50·0	*1·84*	1	5,443
Cardiganshire U.D.	−0·55	—	—	—	582	Worcestershire U.D.	−0·71	66·6	*2·45*	3	12,267
Devon R.D.	−0·50	78·0	*4·06*	4	9,862	Sussex, East R.D.	−0·69	50·7	*1·86*	1	5,368
Radnorshire R.D.	−0·50	—	—	—	472	Anglesey R.D.	−0·66	—	—	—	1,200
Warwickshire R.D.	−0·49	78·5	*4·08*	4	9,800	Norfolk R.D.	−0·64	69·1	*2·54*	3	11,813

Wiltshire R.D.	−0·48	78·8	*4·10*	4	9,758	Westmorland U.D.	−0·62	—	—	—	1,030
Herefordshire R.D.	−0·46	63·6	*3·31*	1	3,025	Worcestershire R.D.	−0·58	56·2	*2·06*	1	4,846
Hampshire R.D.	−0·45	83·4	*4·34*	6	13,838	Cheshire R.D.	−0·57	67·2	*2·47*	2	8,106
Lincolnshire, Lindsey R.D.	−0·44	77·8	*4·05*	3	7,414	Durham U.D.	−0·55	83·2	*3·06*	9	29,450
Surrey R.D.	−0·42	78·6	*4·09*	3	7,336	Dorset R.D.	−0·54	58·6	*2·15*	1	4,645
Suffolk, East R.D.	−0·39	75·9	*3·95*	2	5,067	Merionethshire R.D.	−0·53	—	—	—	770
Radnorshire U.D.	−0·36	—	—	—	246	Montgomeryshire U.D.	−0·51	—	—	—	698
Dorset R.D.	−0·35	78·3	*4·07*	2	4,908	Buckinghamshire U.D.	−0·48	76·1	*2·79*	3	10,736
Herefordshire U.D.	−0·34	71·4	*3·72*	1	2,691	Merionethshire U.D.	−0·48	—	—	—	628
Buckinghamshire U.D.	−0·33	86·2	*4·48*	5	11,151	Breconshire U.D.	−0·47	—	—	—	596
Worcestershire U.D.	−0·33	87·4	*4·55*	6	13,195	Yorkshire, N. Riding R.D.	−0·46	72·2	*2·65*	2	7,540
Rutland U.D.	−0·30	—	—	—	176	Peterborough, Soke of R.D.	−0·45	—	—	—	551
Caernarvonshire U.D.	−0·30	74·1	*3·86*	1	2,594	Wight, Isle of R.D.	−0·45	—	—	—	553
Lancashire U.D.	−0·27	95·9	4·99	41	82,228	Cardiganshire U.D.	−0·45	—	—	—	554
Durham U.D.	−0·26	93·4	*4·86*	15	30,863	Radnorshire R.D.	−0·41	—	—	—	453
Shropshire U.D.	−0·23	87·6	*4·56*	3	6,586	Lincolnshire, Lindsey R.D.	−0·37	76·8	*2·82*	2	7,089
Glamorgan U.D.	−0·23	93·4	*4·86*	11	22,637	Cumberland U.D.	−0·36	69·6	*2·56*	1	3,913
Sussex, East U.D.	−0·22	88·1	*4·58*	3	6,545	Lincolnshire, Kesteven R.D.	−0·34	71·4	*2·62*	1	3,813
Yorkshire, E. Riding U.D.	−0·22	85·7	*4·46*	2	4,485	Radnorshire U.D.	−0·28	—	—	—	221
Cheshire R.D.	−0·21	89·9	*4·67*	4	8,557	Bedfordshire U.D.	−0·26	87·9	*3·23*	4	12,384
Yorkshire, E. Riding R.D.	−0·20	86·8	*4·52*	2	4,428	Cornwall U.D.	−0·26	83·1	*3·05*	2	6,548
Monmouthshire U.D.	−0·17	93·1	*4·84*	6	12,386	Leicestershire R.D.	−0·26	86·1	*3·16*	3	9,484
Hertfordshire R.D.	−0·16	93·2	*4·85*	5	10,314	Rutland U.D.	−0·25	—	—	—	174
Kent R.D.	−0·07	97·4	*5·07*	8	15,783	Cambridgeshire U.D.	−0·23	79·7	*2·93*	1	3,416
Yorkshire, N. Riding R.D.	−0·05	97·3	*5·06*	4	7,901	Devon R.D.	−0·21	88·5	*3·25*	3	9,229
Lincolnshire, Kesteven U.D.	−0·02	98·3	*5·11*	1	1,956	Kent R.D.	−0·19	91·8	*3·37*	5	14,820
Cornwall R.D.	0·01	100·3	*5·22*	3	5,750	Shropshire R.D.	−0·14	90·3	*3·32*	2	6,027
Denbighshire R.D.	0·01	100·4	*5·22*	2	3,830	Sussex, West U.D.	−0·14	92·3	*3·39*	3	8,845
Sussex, West R.D.	0·02	101·3	*5·27*	3	5,696	Monmouthshire U.D.	−0·12	94·0	*3·45*	4	11,585
Northamptonshire R.D.	0·03	101·6	*5·28*	3	5,677	Kent U.D.	−0·10	97·7	*3·59*	18	50,144
Oxfordshire R.D.	0·04	101·8	*5·29*	4	7,555	Berkshire U.D.	−0·02	98·6	*3·62*	2	5,521
Glamorgan R.D.	0·05	102·2	*5·32*	5	9,407	Caernarvonshire U.D.	0·07	107·5	*3·95*	1	2,532
Northumberland U.D.	0·10	103·4	*5·38*	9	16,731	Staffordshire R.D.	0·08	104·3	*3·83*	4	10,435
Essex R.D.	0·11	104·6	*5·44*	6	11,025	Buckinghamshire R.D.	0·10	105·1	*3·86*	4	10,363
Derbyshire U.D.	0·12	104·4	*5·43*	8	14,738	Herefordshire U.D.	0·10	110·9	*4·07*	1	2,454
Lincolnshire, Holland U.D.	0·15	116·5	*6·06*	1	1,650	Monmouthshire R.D.	0·11	111·5	*4·10*	1	2,442
Breconshire R.D.	0·25	127·8	*6·65*	1	1,504	Wight, Isle of U.D.	0·14	114·7	*4·21*	1	2,373
Yorkshire, W. Riding U.D.	0·29	105·6	5·49	28	50,967	Gloucestershire U.D.	0·17	110·6	*4·06*	3	7,384
Flintshire R.D.	0·30	123·3	*6·41*	2	3,118	Hertfordshire R.D.	0·21	110·8	*4·07*	4	9,826
Peterborough, Soke of U.D.	0·35	128·1	*6·66*	2	3,002	Carmarthenshire U.D.	0·23	126·0	*4·63*	1	2,161
Hampshire U.D.	0·38	111·2	*5·78*	13	22,482	Surrey R.D.	0·25	115·8	*4·25*	3	7,054
Shropshire R.D.	0·40	122·2	*6·35*	4	6,295	Huntingdonshire R.D.	0·34	139·9	*5·14*	1	1,945
Cardiganshire R.D.	0·41	149·6	*7·78*	1	1,285	Yorkshire, E. Riding U.D.	0·37	129·8	*4·77*	2	4,194
Lincolnshire, Lindsey U.D.	0·46	123·1	*6·40*	5	7,811	Lancashire U.D.	0·47	108·9	4·00	31	77,509
Buckinghamshire R.D.	0·54	122·6	*6·38*	7	10,978	Surrey U.D.	0·52	112·7	*4·14*	19	45,893
Suffolk, East U.D.	0·58	139·5	*7·26*	3	4,133	Carmarthenshire R.D.	0·55	146·8	*5·39*	2	3,708
Lincolnshire, Holland R.D.	0·60	152·6	*7·94*	2	2,519	Lincolnshire, Holland U.D.	0·59	178·1	*6·54*	1	1,528
Dorset U.D.	0·61	131·1	*6·82*	5	7,330	Denbighshire R.D.	0·64	156·8	*5·76*	2	3,472
Devon U.D.	0·63	129·2	*6·72*	6	8,928	Breconshire R.D.	0·67	192·8	*7·08*	1	1,412
Sussex, East R.D.	0·63	136·7	*7·11*	4	5,627	Cumberland R.D.	0·68	147·4	*5·42*	3	5,539
Middlesex U.D.	0·69	110·1	5·73	52	90,813	Ely, Isle of R.D.	0·68	195·3	*7·17*	1	1,394
Carmarthenshire U.D.	0·75	168·9	*8·78*	2	2,277	Staffordshire U.D.	0·71	120·7	*4·44*	14	31,563
Huntingdonshire R.D.	0·85	181·3	*9·43*	2	2,121	Cardiganshire R.D.	0·79	215·3	*7·91*	1	1,264
Suffolk, West U.D.	0·89	185·6	*9·65*	2	2,072	Gloucestershire R.D.	0·80	135·3	*4·97*	7	14,086

Table CXXIV—*continued*

(G) Congenital malformations of digestive system (ICD No. 756)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Pembrokeshire R.D. ..	0·95	193·7	*10·08*	2	1,985	Somerset U.D.	0·82	144·3	*5·30*	5	9,431
Merionethshire U.D. ..	1·02	265·9	*13·83*	1	723	Flintshire R.D.	0·90	186·9	*6·87*	2	2,913
Cumberland R.D.	1·06	159·7	*8·31*	5	6,020	Dorset U.D.	0·93	158·3	*5·81*	4	6,880
Berkshire U.D.	1·18	168·6	*8·77*	5	5,702	Peterborough, Soke of U.D.	0·94	191·6	*7·04*	2	2,842
Cumberland U.D.	1·23	183·1	*9·53*	4	4,199	Hampshire R.D.	0·97	144·1	*5·29*	7	13,222
Cheshire U.D.	1·25	131·2	6·82	21	30,774	Durham R.D.	0·98	144·4	*5·31*	7	13,195
Nottinghamshire R.D. ..	1·25	159·6	*8·30*	7	8,433	Glamorgan R.D.	1·00	155·6	*5·72*	5	8,748
Somerset U.D.	1·26	155·7	*8·10*	8	9,878	Montgomeryshire R.D. ..	1·05	273·6	*10·05*	1	995
Staffordshire R.D.	1·34	155·6	*8·09*	9	11,118	Anglesey U.D.	1·07	279·2	*10·26*	1	975
Leicestershire U.D.	1·37	166·7	*8·67*	7	8,073	Berkshire R.D.	1·08	149·7	*5·50*	7	12,726
Lancashire R.D.	1·38	151·1	*7·86*	11	13,993	Rutland R.D.	1·18	306·9	*11·27*	1	887
Oxfordshire U.D.	1·39	218·5	*11·36*	3	2,640	Yorkshire, E. Riding R.D. ..	1·19	196·7	*7·23*	3	4,151
Yorkshire, W. Riding R.D. ..	1·41	142·1	*7·39*	16	21,641	Leicestershire U.D.	1·22	171·7	*6·31*	5	7,928
Sussex, West U.D.	1·43	164·8	*8·57*	8	9,330	Yorkshire, N. Riding U.D. ..	1·27	166·9	*6·13*	6	9,786
Nottinghamshire U.D. ..	1·47	147·9	*7·69*	14	18,197	Derbyshire U.D.	1·28	156·4	*5·75*	8	13,925
Northamptonshire U.D. ..	1·61	182·3	*9·48*	7	7,382	Glamorgan U.D.	1·44	151·0	*5·55*	12	21,630
Ely, Isle of U.D.	1·66	252·0	*13·11*	3	2,289	Middlesex U.D.	1·52	127·2	*4·67*	40	85,623
Cornwall U.D.	1·72	189·3	*9·84*	7	7,111	Yorkshire, W. Riding R.D. ..	1·64	159·9	*5·87*	12	20,428
Denbighshire U.D.	1·72	230·6	*11·99*	4	3,335	Nottinghamshire R.D. ..	1·77	203·1	*7·46*	6	8,040
Norfolk R.D.	1·77	169·6	*8·82*	11	12,470	Wiltshire U.D.	1·82	196·1	*7·20*	7	976
Lincolnshire, Kesteven R.D.	2·02	240·3	*12·50*	5	4,001	Nottinghamshire U.D. ..	1·86	173·7	*6·38*	11	17,235
Durham R.D.	2·15	180·1	*9·37*	13	13,881	Yorkshire, W. Riding U.D. ..	2·01	147·8	5·43	26	47,874
Wight, Isle of U.D.	2·27	295·3	*15·36*	4	2,604	Westmorland R.D.	2·20	418·4	*15·37*	2	1,301
Caernarvonshire R.D. ..	2·29	345·2	*17·95*	3	1,671	Pembrokeshire U.D.	2·37	359·4	*13·20*	3	2,272
Merionethshire R.D. ..	2·39	464·9	*24·18*	2	827	Northamptonshire U.D. ..	2·68	265·1	*9·74*	7	7,188
Pembrokeshire U.D. ..	2·52	328·6	*17·09*	4	2,340	Oxfordshire R.D.	2·70	266·6	*9·79*	7	7,148
Derbyshire R.D.	2·79	194·4	*10·11*	17	16,814	Pembrokeshire R.D. ..	2·90	459·5	*16·88*	3	1,777
Gloucestershire U.D. ..	3·60	282·1	*14·67*	11	7,496	Cornwall R.D.	3·58	355·4	*13·06*	7	5,361

Table CXXIV—*continued*

(H) Congenital malformations of genito-urinary system (ICD No. 757)

Total	0·00	100·0	2·59	362	1,399,604	**Total**	0·00	100·0	0·95	126	1,320,163
Hertfordshire U.D.	−1·89	28·5	*0·74*	2	27,146	Hertfordshire U.D.	−1·56	—	—	—	25,539
Berkshire R.D.	−1·88	—	—	—	13,699	Middlesex U.D.	−1·46	48·9	*0·47*	4	85,623
Warwickshire U.D.	−1·73	21·0	*0·54*	1	18,436	Nottinghamshire U.D.	−1·28	—	—	—	17,235
Hampshire U.D.	−1·58	34·4	*0·89*	2	22,482	Hampshire R.D.	−1·12	—	—	—	13,222
Oxfordshire R.D.	−1·40	—	—	—	7,555	Norfolk R.D.	−1·06	—	—	—	11,813
Cornwall U.D.	−1·36	—	—	—	7,111	Buckinghamshire U.D.	−1·01	—	—	—	10,736
Shropshire U.D.	−1·31	—	—	—	6,586	Essex R.D.	−0·99	—	—	—	10,276
Cornwall R.D.	−1·22	—	—	—	5,750	Somerset R.D.	−0·99	—	—	—	10,274
Suffolk, East R.D.	−1·14	—	—	—	5,067	Yorkshire, N. Riding U.D.	−0·97	—	—	—	9,786
Derbyshire R.D.	−1·13	46·0	*1·19*	2	16,814	Leicestershire R.D.	−0·95	—	—	—	9,484
Middlesex U.D.	−1·13	76·6	*1·98*	18	90,813	Somerset U.D.	−0·95	—	—	—	9,431
Staffordshire R.D.	−1·11	34·8	*0·90*	1	11,118	Devon R.D.	−0·94	—	—	—	9,229
Somerset R.D.	−1·06	36·1	*0·93*	1	10,707	Leicestershire U.D.	−0·87	—	—	—	7,928
Cambridgeshire R.D.	−1·05	—	—	—	4,292	Yorkshire, N. Riding R.D.	−0·85	—	—	—	7,540
Suffolk, East U.D.	−1·03	—	—	—	4,133	Lincolnshire, Lindsey U.D.	−0·83	—	—	—	7,215
Leicestershire R.D.	−1·01	37·9	*0·98*	1	10,207	Oxfordshire R.D.	−0·83	—	—	—	7,148
Denbighshire R.D.	−1·00	—	—	—	3,830	Shropshire U.D.	−0·76	—	—	—	5,992
Somerset U.D.	−0·97	39·1	*1·01*	1	9,878	Shropshire R.D.	−0·76	—	—	—	6,027
Flintshire U.D.	−0·95	—	—	—	3,506	Glamorgan U.D.	−0·74	48·4	*0·46*	1	21,630
Norfolk U.D.	−0·94	—	—	—	3,451	Cumberland R.D.	−0·73	—	—	—	5,539
Denbighshire U.D.	−0·93	—	—	—	3,335	Cornwall R.D.	−0·72	—	—	—	5,361
Gloucestershire R.D.	−0·92	52·7	*1·36*	2	14,684	Hampshire U.D.	−0·72	49·3	*0·47*	1	21,248
Flintshire R.D.	−0·90	—	—	—	3,118	Northamptonshire R.D.	−0·72	—	—	—	5,443
Peterborough, Soke of U.D.	−0·88	—	—	—	3,002	Sussex, West R.D.	−0·71	—	—	—	5,290
Devon U.D.	−0·86	43·3	*1·12*	1	8,928	Worcestershire R.D.	−0·68	—	—	—	4,846
Herefordshire U.D.	−0·83	—	—	—	2,691	Yorkshire, W. Riding R.D.	−0·68	51·3	*0·49*	1	20,428
Monmouthshire R.D.	−0·83	—	—	—	2,693	Dorset R.D.	−0·67	—	—	—	4,745
Cheshire R.D.	−0·82	45·2	*1·17*	1	8,557	Suffolk, East R.D.	−0·67	—	—	—	4,762
Nottinghamshire R.D.	−0·80	45·8	*1·19*	1	8,433	Yorkshire, E. Riding U.D.	−0·63	—	—	—	4,194
Pembrokeshire U.D.	−0·78	—	—	—	2,340	Yorkshire, E. Riding R.D.	−0·63	—	—	—	4,151
Ely, Isle of U.D.	−0·77	—	—	—	2,289	Cumberland U.D.	−0·61	—	—	—	3,913
Huntingdonshire R.D.	−0·74	—	—	—	2,121	Lincolnshire, Kesteven R.D.	−0·60	—	—	—	3,813
Kent U.D.	−0·74	80·1	*2·07*	11	53,066	Suffolk, East U.D.	−0·60	—	—	—	3,764
Pembrokeshire R.D.	−0·72	—	—	—	1,985	Carmarthenshire R.D.	−0·59	—	—	—	3,708
Lincolnshire, Kesteven U.D.	−0·71	—	—	—	1,956	Norfolk U.D.	−0·55	—	—	—	3,165
Yorkshire, W. Riding R.D.	−0·68	71·5	*1·85*	4	21,641	Flintshire R.D.	−0·53	—	—	—	2,913
Gloucestershire U.D.	−0·67	51·6	*1·33*	1	7,496	Peterborough, Soke of, U.D.	−0·52	—	—	—	2,842
Caernarvonshire R.D.	−0·66	—	—	—	1,671	Herefordshire R.D.	−0·51	—	—	—	2,725
Dorset U.D.	−0·65	52·7	*1·36*	1	7,330	Warwickshire U.D.	−0·51	60·2	*0·58*	1	17,391
Lincolnshire, Holland U.D.	−0·65	—	—	—	1,650	Caernarvonshire U.D.	−0·49	—	—	—	2,532
Surrey R.D.	−0·65	52·7	*1·36*	1	7,336	Herefordshire U.D.	−0·48	—	—	—	2,454
Breconshire R.D.	−0·62	—	—	—	1,504	Oxfordshire U.D.	−0·48	—	—	—	2,451
Westmorland R.D.	−0·61	—	—	—	1,437	Monmouthshire R.D.	−0·48	—	—	—	2,442
Ely, Isle of R.D.	−0·59	—	—	—	1,354	Lincolnshire, Holland R.D.	−0·47	—	—	—	2,352
Anglesey R.D.	−0·57	—	—	—	1,242	Pembrokeshire U.D.	−0·47	—	—	—	2,272
Westmorland U.D.	−0·55	—	—	—	1,178	Ely, Isle of, U.D.	−0·46	—	—	—	2,204
Kent R.D.	−0·54	73·5	*1·90*	3	15,783	Carmarthenshire U.D.	−0·45	—	—	—	2,161

Table CXXIV—*continued*

(H) Congenital malformations of genito-urinary system (ICD No. 757)—*continued*

Administrative counties	Males					Administrative counties	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
Sussex, East U.D.	−0·53	59·1	*1·53*	1	6,545	Huntingdonshire R.D.	−0·43	—	—	—	1,945
Montgomeryshire R.D.	−0·53	—	—	—	1,071	Suffolk, West U.D.	−0·43	—	—	—	1,916
Buckinghamshire U.D.	−0·52	69·3	*1·79*	2	11,151	Lincolnshire, Kesteven U.D.	−0·42	—	—	—	1,823
Rutland R.D.	−0·51	—	—	—	987	Huntingdonshire U.D.	−0·41	—	—	—	1,756
Merionethshire R.D.	−0·46	—	—	—	827	Pembrokeshire R.D.	−0·41	—	—	—	1,777
Merionethshire U.D.	−0·43	—	—	—	723	Northumberland U.D.	−0·40	67·2	*0·64*	1	15,589
Yorkshire, N. Riding U.D.	−0·42	74·6	*1·93*	2	10,365	Caernarvonshire R.D.	−0·39	—	—	—	1,579
Montgomeryshire U.D.	−0·42	—	—	—	690	Lincolnshire, Holland U.D.	−0·38	—	—	—	1,528
Hertfordshire R.D.	−0·41	75·0	*1·94*	2	10,314	Ely, Isle of R.D.	−0·36	—	—	—	1,394
Breconshire U.D.	−0·40	—	—	—	606	Westmorland R.D.	−0·35	—	—	—	1,301
Peterborough, Soke of R.D.	−0·39	—	—	—	588	Cardiganshire R.D.	−0·35	—	—	—	1,264
Sussex, West R.D.	−0·39	67·9	*1·76*	1	5,696	Anglesey R.D.	−0·34	—	—	—	1,200
Wight, Isle of R.D.	−0·39	—	—	—	581	Westmorland U.D.	−0·31	—	—	—	1,030
Cardiganshire U.D.	−0·39	—	—	—	582	Anglesey U.D.	−0·31	—	—	—	975
Glamorgan U.D.	−0·35	85·4	*2·21*	5	22,637	Montgomery R.D.	−0·31	—	—	—	995
Radnorshire R.D.	−0·35	—	—	—	472	Gloucestershire R.D.	−0·30	74·4	*0·71*	1	14,086
Devon R.D.	−0·34	78·4	*2·03*	2	9,862	Derbyshire U.D.	−0·29	75·2	*0·72*	1	13,925
Radnorshire U.D.	−0·25	—	—	—	246	Rutland R.D.	−0·29	—	—	—	887
Dorset R.D.	−0·24	78·8	*2·04*	1	4,908	Merionethshire R.D.	−0·27	—	—	—	770
Rutland U.D.	−0·21	—	—	—	176	Montgomeryshire U.D.	−0·26	—	—	—	698
Yorkshire, E. Riding U.D.	−0·15	86·2	*2·23*	1	4,485	Breconshire U.D.	−0·24	—	—	—	596
Yorkshire, E. Riding R.D.	−0·14	87·3	*2·26*	1	4,428	Merionethshire U.D.	−0·24	—	—	—	628
Surrey U.D.	−0·13	96·2	*2·49*	12	48,231	Lancashire R.D.	−0·23	79·4	*0·76*	1	13,189
Lincolnshire, Kesteven R.D.	−0·03	96·6	*2·50*	1	4,001	Peterborough, Soke of R.D.	−0·23	—	—	—	551
Carmarthenshire R.D.	0·02	102·0	*2·64*	1	3,790	Wight, Isle of R.D.	−0·23	—	—	—	553
Lincolnshire, Lindsey R.D.	0·06	104·3	*2·70*	2	7,414	Cardiganshire U.D.	−0·23	—	—	—	554
Northamptonshire U.D.	0·07	104·8	*2·71*	2	7,382	Radnorshire R.D.	−0·21	—	—	—	453
Cambridgeshire U.D.	0·08	108·0	*2·79*	1	3,579	Berkshire R.D.	−0·19	82·3	*0·79*	1	12,726
Essex R.D.	0·09	105·2	*2·72*	3	11,025	Bedfordshire U.D.	−0·17	84·6	*0·81*	1	12,384
Lancashire U.D.	0·16	103·4	*2·68*	22	82,228	Worcestershire U.D.	−0·16	85·4	*0·82*	1	12,267
Lancashire R.D.	0·20	110·5	*2·86*	4	13,993	Radnorshire U.D.	−0·15	—	—	—	221
Wiltshire U.D.	0·21	113·1	*2·93*	3	10,254	Rutland U.D.	−0·13	—	—	—	174
Durham R.D.	0·22	111·4	*2·88*	4	13,881	Staffordshire R.D.	0·00	100·4	*0·96*	1	10,435
Herefordshire R.D.	0·25	127·8	*3·31*	1	3,025	Wiltshire U.D.	0·08	107·8	*1·03*	1	9,716
Wiltshire R.D.	0·30	118·9	*3·07*	3	9,758	Kent U.D.	0·10	104·5	*1·00*	5	50,144
Bedfordshire U.D.	0·33	118·0	*3·05*	4	13,109	Wiltshire R.D.	0·13	114·4	*1·09*	1	9,161
Bedfordshire R.D.	0·34	127·5	*3·30*	2	6,065	Sussex, West U.D.	0·17	118·5	*1·13*	1	8,845
Durham U.D.	0·36	112·7	*2·92*	9	30,863	Glamorgan R.D.	0·18	119·8	*1·14*	1	8,748
Glamorgan R.D.	0·36	123·3	*3·19*	3	9,407	Devon U.D.	0·22	124·6	*1·19*	1	8,411
Oxfordshire U.D.	0·38	146·5	*3·79*	1	2,640	Lancashire U.D.	0·22	108·1	*1·03*	8	77,509
Sussex, West U.D.	0·38	124·3	*3·22*	3	9,330	Nottinghamshire R.D.	0·27	130·3	*1·24*	1	8,040
Wight, Isle of U.D.	0·40	148·5	*3·84*	1	2,604	Surrey U.D.	0·30	114·2	*1·09*	5	45,893

Caernarvonshire U.D. ..	0·40	149·1	*3·86*	1	2,594	Gloucestershire U.D. ..	0·35	141·9	*1·35*	1	7,384
Berkshire U.D.	0·43	135·6	*3·51*	2	2,702	Lincolnshire, Lindsey R.D. ..	0·39	147·8	*1·41*	1	7,089
Lincolnshire, Holland R.D. ..	0·43	153·5	*3·97*	1	2,519	Derbyshire R.D.	0·40	132·1	*1·26*	2	15,863
Norfolk R.D.	0·43	124·0	*3·21*	4	12,470	Dorset U.D.	0·42	152·3	*1·45*	1	6,880
Northamptonshire R.D. ..	0·44	136·2	*3·52*	2	5,677	Essex U.D.	0·42	117·3	*1·12*	7	62,530
Yorkshire, W. Riding U.D. ..	0·50	113·8	*2·94*	15	50,967	Cornwall U.D.	0·47	160·0	*1·53*	1	6,548
Yorkshire, N. Riding R.D. ..	0·67	146·8	*3·80*	3	7,901	Kent R.D.	0·49	141·4	*1·35*	2	14,820
Buckinghamshire R.D. ..	0·69	140·9	*3·64*	4	10,978	Sussex, East U.D.	0·56	173·2	*1·65*	1	6,050
Lincolnshire, Lindsey U.D. ..	0·69	148·5	*3·84*	3	7,811	Bedfordshire R.D.	0·61	181·6	*1·73*	1	5,769
Huntingdonshire U.D. ..	0·74	206·1	*5·33*	1	1,876	Berkshire U.D.	0·65	189·8	*1·81*	1	5,521
Hampshire R.D.	0·75	139·7	*3·61*	5	13,838	Durham R.D.	0·66	158·8	*1·52*	2	13,195
Staffordshire U.D.	0·78	126·3	*3·27*	11	33,665	Yorkshire, W. Riding U.D. ..	0·67	131·3	*1·25*	6	47,874
Northumberland R.D. ..	0·81	176·5	*4·57*	2	4,381	Sussex, East R.D.	0·68	195·2	*1·86*	1	5,368
Cumberland U.D.	0·88	184·2	*4·76*	2	4,199	Cheshire U.D.	0·74	144·2	*1·38*	4	29,058
Cheshire U.D.	1·08	138·2	*3·57*	11	30,774	Monmouthshire U.D. ..	0·85	180·9	*1·73*	2	11,585
Suffolk, West R.D.	1·10	213·8	*5·53*	2	3,617	London	0·97	126·5	*1·21*	17	140,785
Cumberland R.D.	1·16	192·7	*4·98* ..	3	6,020	Northumberland R.D. ..	0·99	258·3	*2·47*	1	4,056
Cardiganshire R.D.	1·16	300·9	*7·78*	1	1,285	Cambridgeshire R.D. ..	1·00	261·0	*2·49*	1	4,014
Sussex, East R.D.	1·28	206·1	*5·33*	3	5,627	Hertfordshire R.D. ..	1·10	213·3	*2·04*	2	9,826
Worcestershire U.D. ..	1·40	175·8	*4·55*	6	13,195	Cambridgeshire U.D. ..	1·18	306·7	*2·93*	1	3,416
Anglesey U.D.	1·42	374·3	*9·68*	1	1,033	Warwickshire R.D.	1·18	225·1	*2·15*	2	9,309
Nottinghamshire U.D. ..	1·52	170·0	*4·40*	8	18,197	Suffolk, West R.D.	1·23	319·7	*3·05*	1	3,277
Warwickshire R.D.	1·55	197·3	*5·10*	5	9,800	Flintshire U.D.	1·26	328·3	*3·13*	1	3,192
Monmouthshire U.D. ..	1·56	187·3	*4·84*	6	12,386	Durham U.D.	1·31	177·9	*1·70*	5	29,450
Essex U.D.	1·60	138·4	3·58	24	67,057	Denbighshire U.D.	1·33	349·3	*3·33*	1	3,000
Derbyshire U.D.	1·63	183·6	*4·75*	7	14,738	Cheshire R.D.	1·39	258·5	*2·47*	2	8,106
London	1 71	127·6	3·30	49	148,502	Northamptonshire U.D. ..	1·59	291·5	*2·78*	2	7,188
Northumberland U.D. ..	1·77	184·9	*4·78*	8	16,731	Staffordshire U.D.	1·72	199·2	*1·90*	6	31,563
Carmarthenshire U.D. ..	1·84	339·6	*8·78*	2	2,277	Buckinghamshire R.D. ..	2·02	303·3	*2·89*	3	10,363
Shropshire R.D.	1·86	245·7	*6·35*	4	6,295	Breconshire R.D.	2·36	742·1	*7·08*	1	1,412
Suffolk, West U.D.	2·00	373·2	*9·65*	2	2,072	Surrey R.D.	2·84	445·6	*4·25*	3	7,054
Leicestershire U.D.	2·02	239·5	*6·19*	5	8,073	Denbighshire R.D.	2·90	603·6	*5·76*	2	3,472
Worcestershire R.D. ..	2·19	285·0	*7·37*	4	5,427	Wight, Isle of U.D. ..	3·73	883·1	*8·43*	2	2,373

Table CXXV. Congenital malformations, deaths under 1 year of age and death rates per 10,000 live births, Standardised Mortality Ratios and deviations from the average, 1958–1962, metropolitan boroughs

(A) All congenital malformations (ICD Nos. 750–759)

Metropolitan boroughs	Males					Metropolitan boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
London	**0·00**	**100·0**	**41·82**	**621**	**148,502**	**London**	**0·00**	**100·0**	**42·62**	**600**	**140,785**
Islington	−1·96	73·8	30·85	41	13,292	Lambeth	−2·24	68·6	29·24	35	11,968
Hampstead	−1·43	66·4	*27·77*	12	4,321	Woolwich	−1·44	68·3	*29·10*	15	5,155
Stepney	−1·28	71·1	*29·74*	14	4,708	Camberwell	−1·37	76·5	32·60	26	7,975
Kensington	−1·19	79·6	33·30	27	8,109	St. Pancras	−1·37	72·6	*30·93*	18	5,820
Greenwich	−1·04	72·2	*30·18*	10	3,313	Hampstead	−0·97	76·4	*32·56*	13	3,993
Wandsworth	−1·01	87·0	36·40	53	14,560	Stepney	−0·83	80·8	*34·44*	15	4,356
Chelsea	−0·87	67·9	*28·38*	5	1,762	Bermondsey	−0·65	78·3	*33·35*	7	2,099
Deptford	−0·87	77·1	*32·24*	11	3,412	Lewisham	−0·61	90·0	38·37	34	8,861
Finsbury	−0·72	72·4	*30·28*	5	1,651	City of London	−0·56	—	—	—	73
Hackney	−0·63	89·4	37·40	32	8,556	Bethnal Green	−0·54	81·6	*34·77*	7	2,013
City of London	−0·57	—	—	—	78	Kensington	−0·47	91·8	39·12	30	7,668
Stoke Newington	−0·33	90·6	*37·88*	11	2,904	Westminster	−0·41	87·2	*37·16*	9	2,422
St. Marylebone	−0·31	89·0	*37·21*	7	1,881	Chelsea	−0·07	97·5	*41·57*	7	1,684
Lambeth	−0·17	97·7	40·84	50	12,242	Stoke Newington	0·01	100·2	*42·72*	12	2,809
St. Pancras	−0·02	99·6	41·65	25	6,002	Wandsworth	0·03	100·4	42·79	59	13,789
Westminster	−0·02	99·5	*41·60*	11	2,644	Islington	0·23	103·1	43·93	56	12,749
Woolwich	0·00	100·1	41·84	23	5,497	Hackney	0·25	104·2	44·40	36	8,109
Hammersmith	0·10	102·0	42·67	24	5,625	Fulham	0·61	113·8	48·49	22	4,537
Battersea	0·41	108·7	45·45	24	5,281	Finsbury	0·74	129·8	*55·33*	8	1,446
Lewisham	0·42	106·9	44·69	41	9,175	Paddington	0·74	114·7	48·90	29	5,930
Paddington	0·43	108·3	45·31	29	6,401	St. Marylebone	0·74	126·4	*53·85*	10	1,857
Southwark	0·52	112·2	46·93	20	4,262	Deptford	0·82	122·1	*52·04*	17	3,267
Shoreditch	0·63	123·3	*51·55*	9	1,746	Shoreditch	0·84	132·4	*56·43*	9	1,595
Bermondsey	0·77	124·7	*52·13*	12	2,302	Battersea	0·98	121·7	51·85	25	4,822
Fulham	0·98	122·2	51·09	24	4,698	Southwark	1·17	128·9	54·93	21	3,823
Bethnal Green	1·34	144·5	*60·44*	13	2,151	Poplar	1·25	135·3	*57·67*	17	2,948
Poplar	1·81	149·5	62·52	20	3,199	Greenwich	1·39	137·4	*58·57*	19	3,244
Camberwell	2·51	142·8	59·71	49	8,207	Hammersmith	1·60	133·9	57·07	30	5,257
Holborn	11·37	868·7	*363·29*	19	523	Holborn	7·96	636·6	*271·32*	14	516

Table CXXV—*continued*

(B) Monstrosity (ICD No. 750)

Metropolitan boroughs	Males					Metropolitan boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
London	**0·00**	**100·0**	**1·01**	**15**	**148,502**	**London**	**0·00**	**100·0**	**3·05**	**43**	**140,785**
Islington	−1·16	—	—	—	13,292	Lewisham	−1·04	36·9	*1·13*	1	8,861
Lewisham	−0·96	—	—	—	9,175	Stoke Newington ..	−0·93	—	—	—	2,809
Paddington	−0·80	—	—	—	6,401	Kensington	−0·88	42·7	*1·30*	1	7,668
Hammersmith	−0·75	—	—	—	5,625	Bermondsey	−0·80	—	—	—	2,099
Woolwich	−0·75	—	—	—	5,497	Bethnal Green	−0·78	—	—	—	2,013
Stepney	−0·69	—	—	—	4,708	Chelsea	−0·72	—	—	—	1,684
Southwark	−0·66	—	—	—	4,262	Shoreditch	−0·70	—	—	—	1,595
Deptford	−0·59	—	—	—	3,412	Wandsworth	−0·59	71·2	*2·18*	3	13,789
Poplar	−0·57	—	—	—	3,199	Islington	−0·45	77·0	*2·35*	3	12,749
Westminster	−0·52	—	—	—	2,644	Holborn	−0·40	—	—	—	516
Bermondsey	−0·48	—	—	—	2,302	Battersea	−0·39	67·9	*2·07*	1	4,822
St. Marylebone	−0·44	—	—	—	1,881	Fulham	−0·33	72·2	*2·20*	1	4,537
Chelsea	−0·42	—	—	—	1,762	Stepney	−0·29	75·2	*2·30*	1	4,356
Shoreditch	−0·42	—	—	—	1,746	Hampstead	−0·20	82·0	*2·50*	1	3,993
Finsbury	−0·41	—	—	—	1,651	Southwark	−0·16	85·6	*2·62*	1	3,823
Holborn	−0·23	—	—	—	523	City of London	−0·15	—	—	—	73
City of London	−0·09	—	—	—	78	Deptford	0·00	100·2	*3·06*	1	3,267
Hackney	0·15	115·7	*1·17*	1	8,556	Paddington	0·14	110·4	*3·37*	2	5,930
Camberwell	0·19	120·6	*1·22*	1	8,207	St. Pancras	0·17	112·5	*3·44*	2	5,820
Kensington	0·20	122·1	*1·23*	1	8,109	Westminster	0·30	135·2	*4·13*	1	2,422
Wandsworth	0·44	136·0	*1·37*	2	14,560	Hammersmith	0·31	124·6	*3·80*	2	5,257
St. Pancras	0·51	164·9	*1·67*	1	6,002	Hackney	0·33	121·1	*3·70*	3	8,109
Lambeth	0·69	161·7	*1·63*	2	12,242	Woolwich	0·34	127·0	*3·88*	2	5,155
Fulham	0·76	210·7	*2·13*	1	4,698	Camberwell	0·36	123·2	*3·76*	3	7,975
Hampstead	0·85	229·1	*2·31*	1	4,321	Finsbury	0·84	226·4	*6·92*	1	1,446
Greenwich	1·15	298·8	*3·02*	1	3,313	Greenwich	1·01	201·9	*6·17*	2	3,244
Stoke Newington ..	1·30	340·9	*3·44*	1	2,904	Lambeth	1·23	164·1	*5·01*	6	11,968
Bethnal Green	1·68	460·3	*4·65*	1	2,151	St. Marylebone	1·90	352·6	*10·77*	2	1,857
Battersea	2·01	374·9	*3·79*	2	5,281	Poplar	2·21	333·2	*10·18*	3	2,948

Table CXXV—*continued*

(C) Spina bifida and meningocele (ICD No. 751)

Metropolitan boroughs	Males					Metropolitan boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
London	**0·00**	**100·0**	**3·43**	**51**	**148,502**	**London**	**0·00**	**100·0**	**6·82**	**96**	**140,785**
Battersea	−1·35	—	—	—	5,281	Lambeth	−2·51	12·3	*0·84*	1	11,968
Hampstead	−1·22	—	—	—	4,321	Battersea	−1·81	—	—	—	4,822
Camberwell	−1·08	35·5	*1·22*	1	8,207	Chelsea	−1·07	—	—	—	1,684
Greenwich	−1·07	—	—	—	3,313	Kensington	−0·97	57·4	*3·91*	3	7,668
Stoke Newington ..	−1·00	—	—	—	2,904	Hammersmith	−0·84	55·8	*3·80*	2	5,257
Westminster	−0·95	—	—	—	2,644	Westminster	−0·51	60·5	*4·13*	1	2,422
Wandsworth	−0·89	60·0	*2·06*	3	14,560	Hampstead	−0·44	73·5	*5·01*	2	3,993
St. Marylebone	−0·80	—	—	—	1,881	Bermondsey	−0·36	69·9	*4·76*	1	2,099
Chelsea	−0·78	—	—	—	1,762	Bethnal Green	−0·32	72·9	*4·97*	1	2,013
St. Pancras	−0·74	48·5	*1·67*	1	6,002	St. Marylebone	−0·24	79·0	*5·39*	1	1,857
Lewisham	−0·65	63·5	*2·18*	2	9,175	City of London	−0·22	—	—	—	73
Woolwich	−0·65	53·0	*1·82*	1	5,497	Camberwell	−0·19	91·9	*6·27*	5	7,975
Kensington	−0·47	71·8	*2·47*	2	8,109	Deptford	−0·15	89·8	*6·12*	2	3,267
Holborn	−0·42	—	—	—	523	Wandsworth	−0·13	95·7	*6·53*	9	13,789
Southwark	−0·38	68·3	*2·35*	1	4,262	Shoreditch	−0·08	91·9	*6·27*	1	1,595
City of London	−0·16	—	—	—	78	Lewisham	−0·02	99·3	*6·77*	6	8,861
Hackney	0·04	102·1	*3·51*	3	8,556	Paddington	−0·02	98·9	*6·75*	4	5,930
Bermondsey	0·24	126·5	*4·34*	1	2,302	St. Pancras	0·02	100·8	*6·87*	4	5,820
Bethnal Green	0·30	135·4	*4·65*	1	2,151	Stepney	0·02	101·0	*6·89*	3	4,356
Fulham	0·30	124·0	*4·26*	2	4,698	Islington	0·10	103·5	*7·06*	9	12,749
Stepney	0·30	123·7	*4·25*	2	4,708	Hackney	0·20	108·5	*7·40*	6	8,109
Finsbury	0·58	176·4	*6·06*	1	1,651	Woolwich	0·79	142·2	*9·70*	5	5,155
Deptford	0·77	170·7	*5·86*	2	3,412	Fulham	1·08	161·6	*11·02*	5	4,537
Hammersmith	0·77	155·3	*5·33*	3	5,625	Holborn	1·09	284·2	*19·38*	1	516
Islington	1·14	153·3	*5·27*	7	13,292	Greenwich	1·20	180·8	*12·33*	4	3,244
Paddington	1·22	182·0	*6·25*	4	6,401	Poplar	1·40	199·0	*13·57*	4	2,948
Shoreditch	1·81	333·5	*11·45*	2	1,746	Stoke Newington ..	1·51	208·8	*14·24*	4	2,809
Lambeth	1·85	190·3	*6·53*	8	12,242	Southwark	2·10	230·2	*15·69*	6	3,823
Poplar	2·77	364·1	*12·50*	4	3,199	Finsbury	5·05	608·5	*41·49*	6	1,446

Table CXXV—*continued*

(D) Congenital hydrocephalus (ICD No. 752)

Metropolitan boroughs	Males					Metropolitan boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
London	**0·00**	**100·0**	**3·91**	**58**	**148,502**	**London**	**0·00**	**100·0**	**4·90**	**69**	**140,785**
Hackney	−1·83	—	—	—	8,556	Lambeth	−2·01	17·0	*0·84*	1	11,968
Islington	−1·40	38·5	*1·50*	2	13,292	Lewisham	−1·60	23·0	*1·13*	1	8,861
Lewisham	−1·36	27·9	*1·09*	1	9,175	Camberwell	−1·47	25·6	*1·25*	1	7,975
Hampstead	−1·30	—	—	—	4,321	Woolwich	−0·96	39·6	*1·94*	1	5,155
Lambeth	−1·27	41·8	*1·63*	2	12,242	St. Marylebone	−0·95	—	—	—	1,857
Westminster	−1·02	—	—	—	2,644	Islington	−0·90	64·0	*3·14*	4	12,749
Fulham	−0·62	54·5	*2·13*	1	4,698	Finsbury	−0·84	—	—	—	1,446
Paddington	−0·32	80·0	*3·12*	2	6,401	Hampstead	−0·68	51·1	*2·50*	1	3,993
Poplar	−0·22	80·0	*3·13*	1	3,199	Southwark	−0·64	53·4	*2·62*	1	3,823
City of London	−0·17	—	—	—	78	St. Pancras	−0·50	70·1	*3·44*	2	5,820
Woolwich	−0·10	93·2	*3·64*	2	5,497	Greenwich	−0·47	62·9	*3·08*	1	3,244
Bermondsey	0·11	111·2	*4·34*	1	2,302	Poplar	−0·37	69·2	*3·39*	1	2,948
Stepney	0·12	108·8	*4·25*	2	4,708	Hammersmith	−0·36	77·6	*3·80*	2	5,257
Bethnal Green	0·17	119·0	*4·65*	1	2,151	Stoke Newington	−0·32	72·6	*3·56*	1	2,809
St. Marylebone	0·31	136·1	*5·32*	1	1,881	City of London	−0·19	—	—	—	73
Chelsea	0·38	145·3	*5·68*	1	1,762	Westminster	−0·17	84·2	*4·13*	1	2,422
Shoreditch	0·39	146·6	*5·73*	1	1,746	Bethnal Green	0·01	101·4	*4·97*	1	2,013
St. Pancras	0·43	128·0	*5·00*	3	6,002	Kensington	0·12	106·4	*5·22*	4	7,668
Camberwell	0·44	124·8	*4·87*	4	8,207	Hackney	0·51	125·8	*6·17*	5	8,109
Finsbury	0·44	155·1	*6·06*	1	1,651	Fulham	0·52	134·9	*6·61*	3	4,537
Kensington	0·47	126·3	*4·93*	4	8,109	Stepney	0·59	140·5	*6·89*	3	4,356
Deptford	0·58	150·1	*5·86*	2	3,412	Paddington	0·64	137·6	*6·75*	4	5,930
Greenwich	0·62	154·6	*6·04*	2	3,313	Bermondsey	0·96	194·4	*9·53*	2	2,099
Battersea	0·65	145·4	*5·68*	3	5,281	Wandsworth	1·25	148·0	*7·25*	10	13,789
Wandsworth	0·97	140·7	*5·49*	8	14,560	Shoreditch	1·38	255·8	*12·54*	2	1,595
Southwark	1·04	180·2	*7·04*	3	4,262	Deptford	1·90	249·8	*12·24*	4	3,267
Hammersmith	1·22	182·1	*7·11*	4	5,625	Battersea	2·37	253·9	*12·44*	6	4,822
Stoke Newington	1·75	264·5	*10·33*	3	2,904	Chelsea	3·49	484·6	*23·75*	4	1,684
Holborn	6·19	468·7	*57·36*	3	523	Holborn	5·46	186·3	*58·14*	3	516

Table CXXV—*continued*

(E) Other malformations of nervous system and sense organs (ICD No. 753)

Metropolitan boroughs	Males					Metropolitan boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
London	**0·00**	**100·0**	**1·08**	**16**	**148,502**	**London**	**0·00**	**100·0**	**1·63**	**23**	**140,785**
Lambeth	−1·15	—	—	—	12,242	Lewisham	−1·20	—	—	—	8,861
Hackney	−0·96	—	—	—	8,556	Hackney	−1·15	—	—	—	8,109
Camberwell	−0·94	—	—	—	8,207	Camberwell	−1·14	—	—	—	7,975
Woolwich	−0·77	—	—	—	5,497	Woolwich	−0·92	—	—	—	5,155
Hampstead	−0·68	—	—	—	4,321	Fulham	−0·86	—	—	—	4,537
Deptford	−0·61	—	—	—	3,412	Stepney	−0·84	—	—	—	4,356
Greenwich	−0·60	—	—	—	3,313	Deptford	−0·73	—	—	—	3,267
Westminster	−0·53	—	—	—	2,644	Greenwich	−0·73	—	—	—	3,244
Bermondsey	−0·50	—	—	—	2,302	Poplar	−0·69	—	—	—	2,948
Bethnal Green	−0·48	—	—	—	2,151	Lambeth	−0·68	51·1	*0·84*	1	11,968
St. Marylebone	−0·45	—	—	—	1,881	Stoke Newington	−0·68	—	—	—	2,809
Wandsworth	−0·45	63·7	*0·69*	1	14,560	Bermondsey	−0·59	—	—	—	2,099
Chelsea	−0·44	—	—	—	1,762	Finsbury	−0·49	—	—	—	1,446
Shoreditch	−0·43	—	—	—	1,746	Wandsworth	−0·17	88·8	*1·45*	2	13,789
Finsbury	−0·42	—	—	—	1,651	City of London	−0·11	—	—	—	73
Islington	−0·36	69·8	*0·75*	1	13,292	Islington	−0·06	96·0	*1·57*	2	12,749
Holborn	−0·24	—	—	—	523	Paddington	0·03	103·2	*1·69*	1	5,930
City of London	−0·09	—	—	—	78	St. Pancras	0·05	105·2	*1·72*	1	5,820
Kensington	0·14	114·5	*1·23*	1	8,109	Battersea	0·24	126·9	*2·07*	1	4,822
Paddington	0·37	145·0	*1·56*	1	6,401	Hampstead	0·43	153·3	*2·50*	1	3,993
Hammersmith	0·51	165·0	*1·78*	1	5,625	Southwark	0·48	160·1	*2·62*	1	3,823
Battersea	0·57	175·8	*1·89*	1	5,281	Westminster	0·96	252·7	*4·13*	1	2,422
Fulham	0·69	197·6	*2·13*	1	4,698	Bethnal Green	1·17	304·1	*4·97*	1	2,013
Stepney	0·69	197·1	*2·12*	1	4,708	St. Marylebone	1·26	329·6	*5·39*	1	1,857
Southwark	0·80	217·8	*2·35*	1	4,262	Chelsea	1·38	363·5	*5·94*	1	1,684
Poplar	1·12	290·1	*3·13*	1	3,199	Shoreditch	1·45	383·8	*6·27*	1	1,595
Stoke Newington	1·23	319·6	*3·44*	1	2,904	Hammersmith	2·31	349·3	*5·71*	3	5,257
St. Pancras	1·68	309·3	*3·33*	2	6,002	Kensington	2·45	319·3	*5·22*	4	7,668
Lewisham	2·02	303·5	*3·27*	3	9,175	Holborn	3·15	186·3	*19·38*	1	516

Table CXXV—*continued*

(F) Congenital malformations of circulatory system (ICD No. 754)

Metropolitan boroughs	Males					Metropolitan boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
London	**0·00**	**100·0**	**20·94**	**311**	**148,502**	**London**	**0·00**	**100·0**	**18·61**	**262**	**140,785**
Islington	−1·49	71·8	15·05	20	13,292	St. Pancras	−1·77	46·2	*8·59*	5	5,820
Stoke Newington	−1·25	49·3	*10·33*	3	2,904	Finsbury	−1·64	—	—	—	1,446
Stepney	−1·23	60·9	*12·74*	6	4,708	Hampstead	−1·63	40·4	*7·51*	3	3,993
Wandsworth	−1·18	78·7	16·48	24	14,560	Stoke Newington	−1·41	38·3	*7·12*	2	2,809
Greenwich	−1·12	57·7	*12·07*	4	3,313	Chelsea	−1·21	31·9	*5·94*	1	1,684
Chelsea	−0·88	54·2	*11·35*	2	1,762	Bermondsey	−0·96	51·2	*9·53*	2	2,099
Finsbury	−0·78	57·8	*12·11*	2	1,651	Kensington	−0·87	77·1	*14·35*	11	7,668
Lambeth	−0·52	89·7	18·79	23	12,242	Woolwich	−0·84	73·0	*13·58*	7	5,155
Kensington	−0·48	88·3	*18·50*	15	8,109	Camberwell	−0·74	80·9	*15·05*	12	7,975
City of London	−0·40	—	—	—	78	Stepney	−0·74	74·0	*13·77*	6	4,356
Hampstead	−0·35	88·4	*18·51*	8	4,321	Lambeth	−0·48	89·8	16·71	20	11,968
Battersea	−0·32	90·4	*18·94*	10	5,281	City of London	−0·37	—	—	—	73
Hackney	−0·22	94·9	*19·87*	17	8,556	Lewisham	−0·37	91·0	*16·93*	15	8,861
Paddington	−0·11	97·0	*20·31*	13	6,401	St. Marylebone	−0·25	86·8	*16·16*	3	1,857
Deptford	−0·05	98·0	*20·52*	7	3,412	Fulham	−0·15	94·7	*17·63*	8	4,537
Hammersmith	0·06	101·9	*21·33*	12	5,625	Wandsworth	−0·13	97·4	18·13	25	13,789
St. Pancras	0·12	103·4	*21·66*	13	6,002	Paddington	−0·01	99·7	*18·55*	11	5,930
Westminster	0·20	108·4	*22·69*	6	2,644	Bethnal Green	0·13	106·8	*19·87*	4	2,013
Fulham	0·37	111·8	*23·41*	11	4,698	Westminster	0·23	110·9	*20·64*	5	2,422
Lewisham	0·41	109·3	22·89	21	9,175	Hackney	0·49	112·7	*20·96*	17	8,109
St. Marylebone	0·53	126·9	*26·58*	5	1,881	Shoreditch	0·60	134·8	*25·08*	4	1,595
Southwark	0·69	123·2	*25·81*	11	4,262	Battersea	0·68	122·6	*22·81*	11	4,822
Bethnal Green	0·70	133·2	*27·89*	6	2,151	Poplar	1·07	145·8	*27·14*	8	2,948
Shoreditch	0·70	136·7	*28·64*	5	1,746	Southwark	1·08	140·6	*26·16*	10	3,823
Woolwich	0·73	121·6	*25·47*	14	5,497	Deptford	1·18	148·0	*27·55*	9	3,267
Bermondsey	0·99	145·2	*30·41*	7	2,302	Greenwich	1·21	149·1	*27·74*	9	3,244
Camberwell	1·40	133·8	28·02	23	8,207	Islington	1·49	130·7	24·32	31	12,749
Poplar	2·05	179·1	*37·51*	12	3,199	Hammersmith	1·67	153·3	*28·53*	15	5,257
Holborn	9·46	4·3	*210·33*	11	523	Holborn	7·18	833·1	*155·04*	8	516

Table CXXV—*continued*

(G) Congenital Malformations of digestive system (ICD No. 756)

Metropolitan boroughs	Males					Metropolitan boroughs	Females				
	Deviation	S.M.R.	Rate	Deaths	Live births		Deviation	S.M.R.	Rate	Deaths	Live births
London	**0·00**	**100·0**	**3·84**	**57**	**148,502**	**London**	**0·00**	**100·0**	**2·63**	**37**	**140,785**
Hampstead	−1·29	—	—	—	4,321	Lambeth	−1·21	31·8	*0·84*	1	11,968
Southwark	−1·28	—	—	—	4,262	Woolwich	−1·17	—	—	—	5,155
Kensington	−1·20	32·1	*1·23*	1	8,109	Battersea	−1·12	—	—	—	4,822
Deptford	−1·14	—	—	—	3,412	Stepney	−1·07	—	—	—	4,356
Poplar	−1·11	—	—	—	3,199	Southwark	−1·00	—	—	—	3,823
St. Marylebone	−0·85	—	—	—	1,881	Deptford	−0·93	—	—	—	3,267
Shoreditch	−0·82	—	—	—	1,746	Poplar	−0·88	—	—	—	2,948
Finsbury	−0·80	—	—	—	1,651	Westminster	−0·80	—	—	—	2,422
Woolwich	−0·76	47·4	*1·82*	1	5,497	Camberwell	−0·76	47·7	*1·25*	1	7,975
Wandsworth	−0·67	71·6	*2·75*	4	14,560	Bethnal Green	−0·73	—	—	—	2,013
Islington	−0·49	78·4	*3·01*	4	13,292	Shoreditch	−0·65	—	—	—	1,595
Greenwich	−0·24	78·6	*3·02*	1	3,313	Finsbury	−0·62	—	—	—	1,446
City of London	−0·17	—	—	—	78	Paddington	−0·45	64·2	*1·69*	1	5,930
Hammersmith	−0·11	92·6	*3·56*	2	5,625	Wandsworth	−0·33	82·8	*2·18*	3	13,789
Stoke Newington	−0·11	89·7	*3·44*	1	2,904	Islington	−0·19	89·5	*2·35*	3	12,749
Battersea	−0·02	98·7	*3·79*	2	5,281	Fulham	−0·18	83·9	*2·20*	1	4,537
Westminster	−0·01	98·5	*3·78*	1	2,644	City of London	−0·14	—	—	—	73
Bermondsey	0·12	113·2	*4·34*	1	2,302	Hampstead	−0·05	95·3	*2·50*	1	3,993
Lambeth	0·14	106·4	*4·08*	5	12,242	Stoke Newington	0·30	135·5	*3·56*	1	2,809
Stepney	0·14	110·7	*4·25*	2	4,708	Hammersmith	0·53	144·8	*3·80*	2	5,257
Bethnal Green	0·19	121·1	*4·65*	1	2,151	Hackney	0·60	140·8	*3·70*	3	8,109
Lewisham	0·25	113·6	*4·36*	4	9,175	Bermondsey	0·60	181·3	*4·76*	1	2,099
Paddington	0·35	122·1	*4·69*	3	6,401	Chelsea	0·84	225·9	*5·94*	1	1,684
Chelsea	0·39	147·9	*5·68*	1	1,762	St. Pancras	1·19	196·1	*5·15*	3	5,820
Hackney	0·40	121·8	*4·68*	4	8,556	Kensington	1·40	198·5	*5·22*	4	7,668
St. Pancras	0·46	130·2	*5·00*	3	6,002	Lewisham	1·75	214·7	*5·64*	5	8,861
Fulham	0·89	166·4	*6·39*	3	4,698	St. Marylebone	2·16	409·8	*10·77*	2	1,857
Camberwell	3·30	285·7	*10·97*	9	8,207	Greenwich	2·33	351·9	*9·25*	3	3,244
Holborn	8·48	992·6	*76·48*	4	523	Holborn	2·35	737·5	*19·38*	1	516

CAUSES OF STILLBIRTH

In spite of a 3·3 per cent increase in the number of total births in 1962, the number of stillbirths fell slightly from 15,727 in 1961 to 15,464 in 1962, a decline of 1·7 per cent in numbers. Expressed as the proportion of total births (i.e. live and still births together) the stillbirths represented 19·0 per thousand total births in 1961 and only 18·1 per thousand in 1962, a decrease equivalent to 5 per cent of the 1961 value.

Some causes of stillbirth which showed outstanding decreases were:

ICD No.	Cause	Decrease	
		Number	Per cent
	Disease in mother		
Y32·2	Haemorrhage without mention of placental condition	94	18
Y32·5	Infection (ante- and intra-partum)	17	36
Y34·2	Difficult labour with malposition of foetus	132	19
	Placental and cord conditions		
Y36·1	Placenta praevia	47	22
	Disease of foetus		
Y38·0	Anencephalus	117	7
Y38·1	Hydrocephalus	44	8
Y38·2	Spina bifida	90	22
Y38·53	Other skeletal malformations	25	48
Y39·2	Erythroblastosis..	77	10
Y39·3	Other foetal cause	36	46

The sum of these outstanding decreases exceeds the actual total decrease of 263, so there have obviously been compensatory increases under other headings. One readily apparent transfer of diagnosis is between Y 32·2 (Haemorrhage without mention of placental condition) to Y 36·2 (Premature separation of normally implanted placenta), the decline of 94 in the former being counterbalanced by an increase of 129 in the latter: the two categories together rose from 1,642 to 1,677, an increase of 2 per cent between 1961 and 1962. In neither diagnosis is it required to specify what disease of pregnancy caused the haemorrhage, or what condition of the placenta caused it to separate prematurely.

Increases which merit attention include:

ICD No.	Cause	Increase	
		Number	Per cent
	Disease in mother		
Y31·40	Rubella	21	1050[a]
	Placental and cord conditions		
Y36·6	Other abnormalities	213	20
	Disease of foetus		
Y38·3	Other malformations of central nervous system ..	25	29
Y38·54	Malformation of respiratory system	12	240[b]
Y39·50	Asphyxia	64	20
Y39·51	Atelectasis	25	26

(a) Increase from 2 to 23. (b) Increase from 5 to 17.

In 1962 the number of stillbirths attributed to rubella increased, with a maximum number (10) in the month of November. Increase in " other abnormalities " of the placenta and cord, and of internal malformations in the infant can be accepted with the hope that they are due solely to closer inspection and investigation of the foetus; but this fails to explain the increased number with the rather unsatisfactory diagnosis of asphyxia (i.e. of unknown cause).

An analysis of the regional distribution of stillbirths assigned to congenital malformations is given at the end of this chapter.

The proportion of stillbirths per 1,000 total births for legitimate births according to the parity of the mother is found to be:

	Number of previous children of all marriages, live and still born										
	0	1	2	3	4	5	6	7	8	9	10 and over
1961 ..	20·1	13·2	17·8	21·7	27·5	29·0	34·0	34·2	36·9	51·1	35·4
1962 ..	19·2	12·6	16·5	20·5	26·8	30·7	28·3	34·6	33·7	41·0	39·5
Change ..	−0·9	−0·6	−1·3	−1·2	−0·7	+1·7	−5·7	+0·4	−3·2	−10·1	+4·1

Mothers who had five previous children, live or still born, of all marriages account for only 2·2 per cent of total legitimate births, and those of higher parity even fewer, so that the fluctuations in the figures for these pregnancies may be due to chance.

Parity is naturally associated with age of mother. For all stillbirths (including illegitimate births) there has been consistent improvement at all ages except in the small group aged 45 years and over.

	Age of mother						
	Under 20	20–	25–	30–	35–	40–	45 and over
1961	17·1	15·6	16·6	20·4	29·7	39·4	49·3
1962	15·7	15·1	15·6	20·1	28·2	37·1	56·6
Change ..	−1·4	−0·5	−1·0	−0·3	−1·5	−2·3	+7·3

Comparison of the stillbirth rates in various places of occurrence shows improvement in all, except for those in the last category which includes precipitate birth in unorthodox places.

	N.H.S. hospital	Other hospital	At home	Other
1961	25·2	9·8	8·6	12·3
1962	24·1	8·4	7·7	13·0
Change in stillbirth rate..	−1·1	−1·4	−0·9	+0·7
Per cent change	−4	−14	−10	+6

Confinements in hospital are likely to be of mothers with the greatest risk of stillbirth. Mothers who deliver their babies at home are in the main healthy mothers with no complications during pregnancy. It naturally follows that the stillbirth rate for infants delivered in National Health Service hospitals is considerably higher than for those at home.

When regional variations of stillbirth are being considered it is found that there are persistent patterns of high stillbirth rates in south-east Wales and northern England, and low rates in the south. In order to make some adjustment for possible differences in the average parity in the regions, a standardised rate (standardised for parity) has been calculated based on the average rates for the past five years. From the same five year rates a standardised average annual change can also be calculated. It is found that the areas with the highest stillbirth rates show the greatest decreases over the past five years, while those regions with the fewest stillbirths have not shown so great a decrease in their rates.

There are marked differences between the regions in the stillbirth rates reported according to place of confinement (Table CXXVI). The difference is relatively least (having a range from 21–32) in N.H.S. hospitals, greater in confinements at home (range 7–15), and in other places (range 10–21). In this last category the rates recorded bear no obvious relationship to the overall rates in the region, but in regions where stillbirth rates are high for home deliveries, they tend to be high in N.H.S. hospitals also.

In Table CXXVII stillbirths assigned to congenital malformation have been combined for 1961 and 1962, the only two full years yet available, to compare the actual number reported in each region with the number expected had there been an equal proportion of the stillbirths in each region. Deviations which exceed twice the standard error (using the square root of the expected number as the estimate) have been marked with an asterisk. Out of the 90 comparisons, only four or five deviations as great as this would be expected from chance alone; in fact there were 13, implying that there is likely to be a real variation in incidence of these malformations between different regions.

Table CXXVI. Geographical variations in stillbirth rates, 1958–1962

Standard regions	Parity (previous live born children)			Standardised mean	Standardised annual decrease	Place of confinement			
	0	1–3	4 and over			N.H.S. hospital	Other hospital	At home	Other
	(a)			(b)	(c)	(d)			
Northern	23·8	18·6	31·8	21·6	−0·9	29	11	12	11
East and West Ridings	22·8	17·2	29·6	20·3	−1·0	28	9	9	11
North Western	24·8	18·6	30·8	21·9	−1·0	29	9	10	15
North Midland	22·8	17·6	28·6	20·4	−1·0	30	8	10	10
Midland	23·2	17·8	30·4	20·8	−1·1	29	13	10	12
Eastern	19·4	15·0	26·8	17·6	−0·7	26	11	8	10
London and South Eastern	19·6	14·4	25·2	17·2	−0·6	21	11	8	21
Southern	19·2	13·6	23·8	16·5	−0·5	23	9	7	15
South Western	21·8	15·6	27·6	18·9	−0·6	25	11	9	11
Wales	27·2	20·4	31·6	23·9	−1·2	30	10	14	14
I South East	27·8	21·0	32·8	24·5	−1·3	32	10	14	11
II Remainder	26·4	18·6	29·2	22·4	−1·1	25	8	15	19
England and Wales	**22·0**	**16·8**	**28·8**	**19·7**	**−0·9**	**26**	**10**	**10**	**13**

(a) based on the mean rates (legitimate births) for the period.
(b) based on the parity rates weighted in the proportion 5:7:1.
(c) based on the annual regression per year for each parity, weighted in the proportion 5:7:1.
(d) mean values (all stillbirths, including illegitimate births).

Table CXXVII. Geographical variations in number of stillbirths assigned to congenital malformations, 1961 and 1962 combined

Standard regions	Anencephalus	Hydrocephalus	Spina bifida		Other malformation of C.N.S.	Cardio-vascular system	Skeletal	Monster	Other
			with mention of hydrocephalus	without mention of hydrocephalus					
	Y 38·0	Y 38·1	Y 38·20	Y 38·21	Y 38·3	Y 38·4	Y 38·53	Y 38·6	Rem. of Y 38
Northern	302	96	35	17	12	4	3	3	30
East and West Ridings	313	116	58	29	14	16	5	3	47
North Western	618	202	107	35	42	18	12	7	70
North Midland	289	107	45	15	20	4	9	2	31
Midland	383	132	55	29	18	13	9	4	57
Eastern	185	65	20	13	15	16	4	1	41
London and South Eastern	510	176	77	32	28	24	14	7	109
Southern	177	61	18	8	14	5	9	3	33
South Western	192	73	36	16	21	10	9	1	34
Wales	258	70	48	19	15	4	5	1	21
England and Wales	**3,227**	**1,098**	**499**	**213**	**199**	**114**	**79**	**32**	**473**
Deviations from expectation (* greater than 2 s.e.)									
Northern	+37*	+ 6	− 6	0	− 4	−5	−3	0	− 9
East and West Ridings	+11	+13	+11	+ 9*	− 5	+5	−2	0	+ 3
North Western	+87*	+21	+25*	0	+ 9	−1	−1	+2	− 8
North Midland	+20	+16	+ 3	− 3	+ 3	−5	+2	−1	− 8
Midland	+ 8	+ 5	− 3	+ 4	− 5	0	0	0	+ 2
Eastern	−50*	−15	−16*	− 3	0	+8*	−2	−1	+ 6
London and South Eastern	−134*	−43*	−23*	−11	−12	+1	−2	+1	+15
Southern	+ 1	+ 1	− 9	− 4	+ 3	−1	+5*	+1	+ 7
South Western	−26	− 1	+ 2	+ 2	+ 8	+2	+4	−1	+ 2
Wales	+46*	− 2	+15*	+ 5	+ 2	−3	0	−1	−10

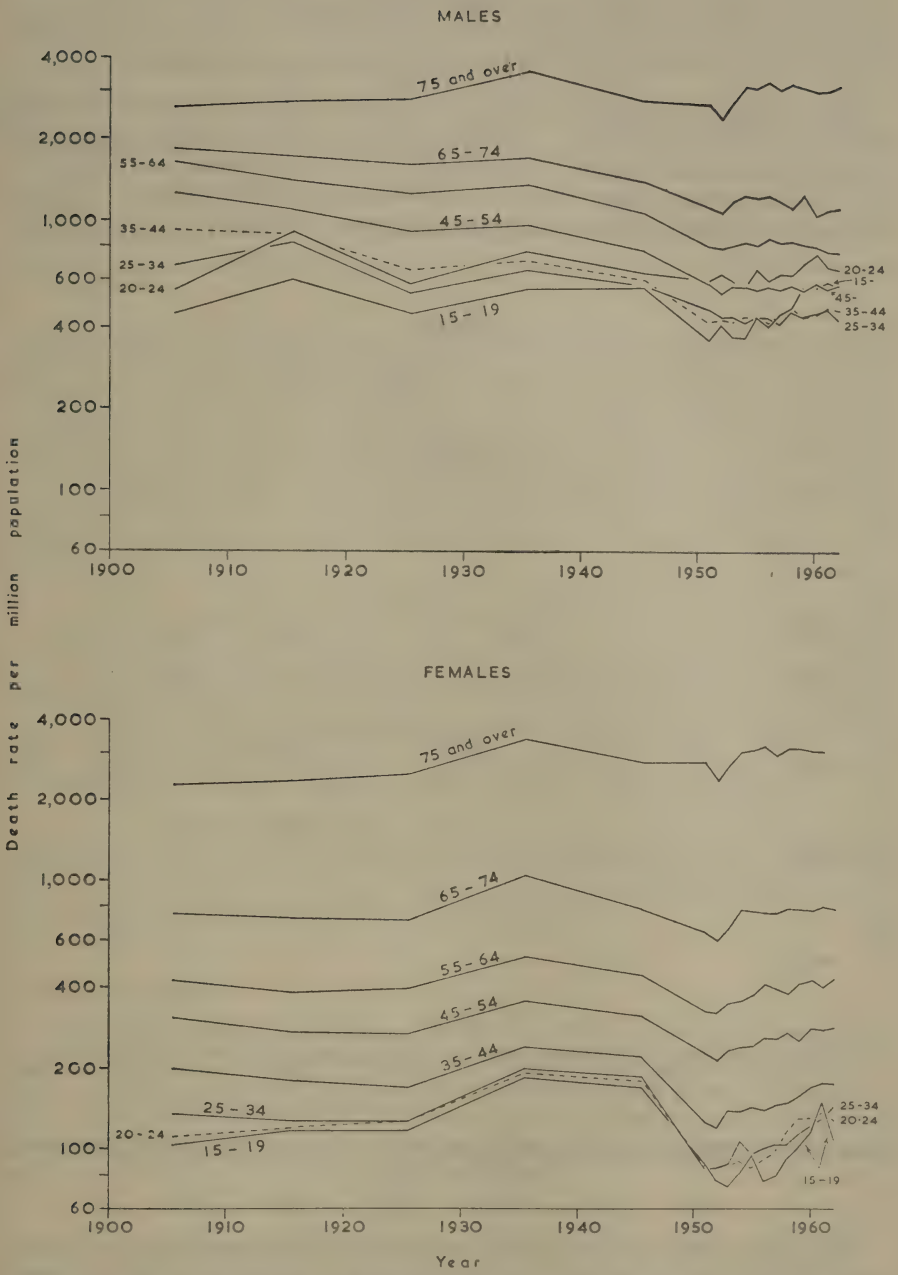
DEATHS FROM ACCIDENT AND VIOLENCE

The proportion of all deaths due to accident and violence has shown no great overall change during the present century, but reference to Table CI on page 145 of this volume will reveal striking fluctuations in detail. For males the proportion rose during the first four decades, reaching a peak of over 9 per cent of all deaths during the war years 1941–45, a period in which that for females also reached a peak (4½ per cent). Since the end of the Second World War the figure for males has remained low, with no appreciable trend, but that for females has tended to increase. Whereas at the beginning of the century the

Table CXXVIII. Death rates per million living from accidents and violence, by sex and age, and average annual change in death rates, 1958–1962, England and Wales

Age	Average annual change in death rates		Average death rate per million in 1958–62	Average annual change from 1958 to 1962 as per cent of average death rate
	from 1911–20 to 1951–60	from 1958 to 1962		
Males	(*a*)			
0–	−10·4	+ 0·4	353	+ 0·1
5–	− 3·1	− 2·0	194	− 1·0
10–	− 2·0	+ 2·2	165	+ 1·3
15–	− 1·8	+21·3	561	+ 3·8
20–	− 4·5	+ 4·7	692	+ 0·7
25–	− 7·1	− 5·1	456	− 1·1
35–	− 9·4	+ 2·3	468	+ 0·5
45–	−11·5	+ 1·1	578	+ 0·2
55–	−13·1	−19·9	814	− 2·4
65–	−12·6	−13·5	1,142	− 1·2
75 and over ..	+ 5·4	−20·1	3,161	− 0·6
**All ages .. .. ..

Diagram 8



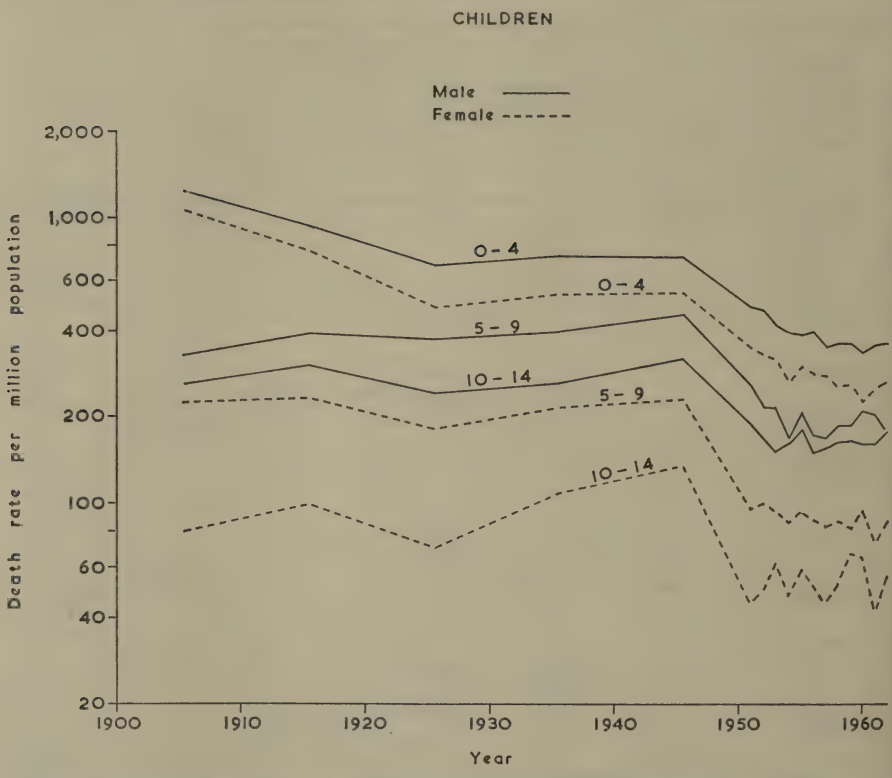
Death rates per million living from accidents and violence, by sex and ages 15 and over, 1900–1962, England and Wales

proportion of female deaths from violent causes was less than half that of males, by 1960 it had increased to more than three-quarters.

In older age-groups (65 and over) the proportion of deaths due to accident is low, since other mortality is so high. The age-group with the highest proportion is from 15 to 34 at which ages it has been over 50 per cent of all deaths for males, and over 20 per cent for females, in each year since 1960.

The age-specific death rates (Diagrams 8 and 9) show a pronounced fall after the Second World War. This fall has been reversed in many age-groups since 1952, and Table CXXVIII shows that the increase in recent years has been most marked among males at ages 15–19 during the period 1958–62. The increase among females affects a wider group of ages from 15 years of age upwards.

Diagram 9



Death rates per million living from accidents and violence, by sex and ages under 15, 1900–1962, England and Wales

The span of fifty years, from 1912 until 1962, has extended over two world wars and covered a period of major economic and social changes. These circumstances may be reflected in the figures for different kinds of accidents and violence included in the total. To present a brief resumé of violent deaths in

England and Wales during that period, single years at ten-year intervals have been selected as indicators of the change:

	1912	1922	1932	1942*	1952	1962
Homicide (including executions) ..	328	219	195	251	195	261
Operations of war ..	—	72	85	3,791	2	5
Suicide	3,608	3,876	5,743	3,416	4,338	5,588
Accidents and other violence	15,838	12,228	15,846	16,519	14,267	18,043
Population (thousands) ..	36,327	38,205	40,201	41,897	43,955	46,669

* Civilians only.

Alterations in the classification of causes of death make precise comparison difficult and changes in the number of persons at risk at various ages must also be taken into account. The population, both male and female, has increased steadily since 1912, and for both sexes is now more than 25 per cent greater than fifty years ago. The number of children under five years of age which, by 1942, had fallen to below 75 per cent of the 1912 level, has now almost regained the original level; by contrast the number of males aged 75 and over in the population has increased more than threefold since 1912, and of females more than fourfold.

Of the three components of violent deaths—homicide, suicide and accident—the first has shown no consistent trend during the past half-century. Suicide stood at its highest level at the time of the economic depression in the early 1930's, fell during the Second World War and is now almost up to the peak level of 1932. A fuller discussion of suicides from 1901 to 1961 is given in the 1961 Commentary volume, pages 240–266, and they are referred to in this section only in relation to the borderline between suicide and accident.

In both world wars deaths from accident increased at first, declining later to levels in 1922 and 1948 well below pre-war levels. The trend in these deaths is affected by the number of young children and old people in the population, as these two groups are particularly prone to accidents.

Transport Accidents

Air travel was of little importance in 1912 but by 1962 it had become recognised as one of the major forms of transport. Aircraft accidents, when they do occur, tend to involve groups of people and erratic fluctuations arise from year to year; over the decade 1953–1962 the mean annual number of deaths occurring in England and Wales was 46 and the numbers recorded in the selected years were:

1912	1922	1932	1942	1952	1962
15	24	43	7	89	52

Deaths known to be associated with military operations have been excluded in the later figures.

Table CXXIX. Accidental deaths by sex, 1912–1962, England and Wales

	Males						Females					
	1912	1922	1932	1942†	1952	1962	1912	1922	1932	1942†	1952	1962
Accidents*	**10,997**	**8,482**	**10,762**	**10,711**	**8,997**	**10,377**	**4,841**	**3,746**	**5,084**	**5,808**	**5,165**	**7,622**
In mines and quarries	1,207	928	865	836	513	240	—	1	—	1	2	—
Road vehicle accidents	1,665	2,130	4,670	3,851	3,376	4,621	419	595	1,561	1,340	1,046	1,824
Water transport (excluding drowning)	311	161	54	88	55	51	1	—	—	—	—	1
Air transport (civilian)	15	24	40	7	69	40	—	—	3	—	20	12
By machinery	225	185	220	228	186	224	6	7	2	19	3	6
Building operations	206	155	204	179	...	...	—	—	—	—	...	...
Firearms, cutting and piercing instruments	102	96	73	104	119	86	22	7	9	16	10	6
Burns from clothing	182	62	...	85	57	57	503	275	...	371	294	267
Other burns and scalds	790	695	557	463	264	304	909	730	756	451	216	279
Drowning in water transport accidents	179	82	86	54	82	113	7	4	3	4	7	7
Other drowning	1,874	1,162	1,203	978	713	591	428	267	234	212	182	187
Suffocation—under 1 year of age	702	260	195	290	301	231	704	221	150	215	205	181
—at other ages	99	86	60	76	153	225	56	34	17	44	62	120
Falls—at age 65 and over	574	512	728	1,153	1,030	1,339	891	954	1,483	2,185	2,185	3,240
—at other ages	1,030	679	655	1,102	646	667	450	317	316	404	217	250
Environmental agencies, exposure to weather, hunger, thirst	210	104	93	36	50	59	71	57	45	18	29	35
Population (in millions)	17·6	18·2	19·3	20·2	21·1	22·7	18·8	20·0	20·9	21·7	22·8	24·0

* Deaths assigned according to the classification in use at the time. Some deaths are included in more than one title.

† Civilian deaths only.

Railway accidents have accounted for a generally declining number of deaths during the half-century. Annual deaths at successive ten-year intervals have been:

1912	1922	1932	1942	1952	1962
738	513	402	499	449	231

Vehicular and road traffic accidents, using the term in a broad sense, have shown a great change in their nature since 1912, even though the total numbers have not changed so much. Fatalities which can be included under this heading at the selected ten-year intervals have been:

1912	1922	1932	1942	1952	1962
2,084	2,725	6,231	5,191	4,422	6,445

but the death rate per million population was no higher in 1962 (138) than in 1932, when it was 155. Terminology and methods of classification have altered considerably throughout the period and the distinction between accidents on public highways and others was not observed in the earlier years. Horse-drawn vehicles and horses were responsible for more than 500 fatalities in 1912, for more than 300 in 1922 and for more than 100 in 1932. Since 1948 the negligible numbers of such deaths have not been separately identified and are included in the group of " Other non-motor road vehicle accidents ".

The introduction and spreading popularity first of pedal cycles and then of motor cycles (including motor scooters) is reflected in the number of deaths in which these vehicles were involved; these were:

	1912	1922	1932	1942	1952	1962
motor cycles ..	66	286	1,783	656	1,091*	1,298*
pedal cycles ..	193	205	883	1,014	752	603

* Riders and passengers only.

In recent years the combined total has remained fairly steady but the proportion due to motor cycles has increased.

Poisoning

Changing social habits and circumstances are reflected not only in the differing types of traffic accident which occur, but also in the varying forms of suicidal and accidental poisoning. Precise comparison over any length of time becomes difficult, due to changes in classification used in tabulations. Comparable data for ten years in arrear can be extracted from Table 7 in Part I of the *Statistical Review* (or its counterpart in earlier years). For a longer period such as is being considered here (Table CXXX) the data are given as they were classified at the time.

The parallel trends noticeable in poisons used for suicide and substances causing accidental poisoning may be explained by the ease of access to these poisons. In 1912 suicide by gas poisoning accounted for only 149 deaths, but in 1962 the number (2,586) was over seventeen times as great. During the same period accidental gas poisoning rose from 105 deaths to 1,258, twelve times as great. Before the First World War, when laudanum and paregoric were still household remedies, poisoning by morphine and opiates was common, both suicidal and accidental, and shared with cyanide poisoning and corrosives the major part of all lethal poisoning. Today these are of minor importance compared with the analgesic and sedative group of which the barbiturates form the bulk, with aspirin a poor second, but neither of these were common causes of death until the 1930's.

Table CXXX. Deaths from accidental and suicidal poisoning by sex, 1912–1962, England and Wales

	Males						Females					
	1912	1922	1932	1942	1952	1962	1912	1922	1932	1942	1952	1962
Suicidal poisoning	**436**	**567**	**1,596**	**780**	**1,470**	**2,125**	**260**	**369**	**988**	**805**	**1,140**	**1,902**
by gases	**112**	**330**	**1,168**	**647**	**1,116**	**1,503**	**37**	**173**	**639**	**612**	**783**	**1,083**
by narcotic, analgesic, soporific	**46**	**8**	**32**	**36**	**241**	**544**	**12**	**3**	**29**	**58**	**295**	**761**
opiates, morphine	42	3	5	7			10	1	2	5		
barbiturates	3	1	8	19	Not available		1	—	11	14	Not available	
aspirin, salicylates	—	1	9	8			—	—	4	27		
other analgesic, soporific	1	3	9	2			1	2	12	12		
by poisons other than narcotic, analgesic, soporific	**278**	**229**	**396**	**97**	**113**	**78**	**211**	**193**	**320**	**135**	**62**	**58**
cyanide	72	61	76	24			5	6	9	3		
corrosives	132	142	280	66	Not available		151	159	267	121	Not available	
other poisons	74	26	40	7			55	28	44	11		
Accidental poisoning*	**224**	**192**	**181**	**204**	**400**	**822**	**114**	**105**	**108**	**195**	**443**	**1,009**
by gases	**71**	**114**	**136**	**144**	**246**	**562**	**34**	**62**	**64**	**133**	**302**	**696**
by narcotic, analgesic, soporific	**53**	**15**	**13**	**29**	**104**	**202**	**32**	**12**	**15**	**37**	**111**	**263**
opiates, morphine	32	4	2	6	8	1	16	8	4	5	1	1
barbiturates	9	2	5	13	61	176	3	1	7	21	79	217
aspirin, salicylates	1	—	2	9	24	18	—	1	4	5	26	36
other analgesic, soporific	11	9	4	1	11	7	13	2	—	6	5	9
by poisons other than narcotic, analgesic, soporific	**100**	**63**	**32**	**31**	**50**	**58**	**48**	**31**	**29**	**25**	**30**	**50**
cyanide	5	7	2	—	—	1	1	—	—	2	—	—
corrosives	38	23	15	13	9	11	13	12	14	8	4	2
other poisons	57	33	15	18	41	46	34	19	15	15	26	48
Population (in millions)	17·6	18·2	19·3	20·2	21·1	22·7	18·8	20·0	20·9	21·7	22·8	24·0

* Deaths from food poisoning omitted.

Table CXXXI. Deaths from accidental and suicidal poisoning by external agent, 1952 to 1962, England and Wales

Year	Analgesics and soporifics		Other solids and liquids		Domestic gases		Other gases		All poisons					
									Persons		Males		Females	
	Accident	Suicide	Accident	Suicide	Accident	Suicide	Accident	Suicide	Accident	Suicide	Accident	Suicide	Accident	Suicide
1952 ..	216	536	79	175	498	1,872	50	27	843	2,610	400	1,470	443	1,140
1953 ..	218	447	70	180	591	2,213	53	46	932	2,886	458	1,608	474	1,278
1954 ..	239	534	76	133	660	2,428	57	44	1,032	3,139	476	1,699	556	1,440
1955 ..	240	595	81	132	784	2,334	68	43	1,173	3,104	528	1,633	645	1,471
1956 ..	275	702	81	158	741	2,530	71	53	1,168	3,443	525	1,810	643	1,633
1957 ..	279	695	74	140	757	2,601	75	72	1,186	3,508	545	1,845	641	1,663
1958 ..	272	775	77	102	870	2,637	85	74	1,304	3,588	588	1,914	716	1,674
1959 ..	306	778	66	121	915	2,594	71	64	1,358	3,557	608	1,877	750	1,680
1960 ..	378	839	70	104	948	2,499	76	102	1,472	3,544	659	1,906	813	1,638
1961 ..	384	1,019	80	112	925	2,379	89	119	1,478	3,629	667	1,889	811	1,740
1962 ..	466	1,305	107	136	1,146	2,469	112	117	1,831	4,027	822	2,125	1,009	1,902

Table CXXXII. Type of poisons responsible for accidental deaths, 1958 to 1962, England and Wales

ICD No. (E code)	Poison group	Annual total					Total 1958–62		Age-groups							
									0–9		10–24		25–64		65 and over	
		1958	1959	1960	1961	1962	M	F	M	F	M	F	M	F	M	F
870	Opium derivatives	1	3	1	3	2	5	5	—	—	—	—	5	4	—	1
871	Barbiturates	205	232	293	303	393	619	807	6	5	16	19	480	555	117	228
872	Salicylates	42	43	65	67	54	103	168	26	17	1	7	64	88	12	56
873	Bromides	—	1	1	2	1	4	1	—	—	—	—	1	1	3	—
874	Other analgesic and soporific drugs	24	27	18	9	16	45	49	4	1	3	2	32	32	6	14
875	Sulphonamides	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
876	Strychnine alkaloids	2	1	1	1	2	1	6	1	4	—	—	—	2	—	—
877	Belladonna alkaloids	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
878	Other and unspecified drugs	25	28	27	39	64	88	95	24	16	7	6	48	63	9	10
879	Noxious foodstuffs	—	—	1	—	—	—	1	—	—	—	—	—	1	—	—
880	Alcohols	9	8	15	12	13	43	14	1	—	1	—	38	12	3	2
881	Petroleum products	—	—	1	2	2	5	—	2	—	1	—	2	—	—	—
882	Industrial solvents	3	4	—	2	3	9	3	—	—	—	1	7	1	2	1
883	Corrosive substances	16	16	8	12	13	40	25	4	—	3	3	20	7	13	15
884	Mercury and compounds	2	1	—	1	—	3	1	—	—	—	—	3	1	—	—
885	Lead and compounds	5	2	2	3	—	9	3	7	3	—	—	2	—	—	—
886	Arsenic, antimony and compounds	1	1	—	1	—	—	3	—	—	—	—	—	2	—	1
887	Fluorides	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
888	Other solid and liquid poisons	14	5	15	7	10	37	14	5	5	6	1	17	6	9	2
890	Utility (illuminating) gas	870	915	948	925	1,146	2,013	2,791	22	20	129	65	786	572	1,076	2,134
891	Motor vehicle exhaust gas	13	11	12	15	17	66	2	—	—	2	—	58	2	6	—
892	Other carbon monoxides	54	42	50	49	76	167	104	8	4	23	12	95	39	41	49
893	Cyanide gas	—	—	1	5	1	7	—	1	—	2	—	3	—	1	—
894	Other specified gases	16	18	12	16	17	72	7	4	—	12	5	50	1	6	1
895	Unspecified gases	2	—	2	4	1	8	—	1	—	1	—	6	—	—	—
	Total	**1,304**	**1,358**	**1,472**	**1,478**	**1,831**	**3,344**	**4,099**	**116**	**75**	**207**	**121**	**1,717**	**1,389**	**1,304**	**2,514**
	Rate per million population	28·9	29·9	32·2	32·0	39·2	30·2	34·6	6·6	4·5	8·5	5·1	29·4	22·7	124	150

Table CXXXI shows that during the past decade both accidental and suicidal poisoning deaths have increased in number, suicides by 54 per cent (from 2,610 to 4,027) but accidents by 117 per cent (from 843 to 1,831). The increase is shown for both sexes, but for females (+84 per cent) more than for males (+58 per cent). The more rapid increase in females can be accounted for in part by the greater proportion of women in the older age-groups.

Males are more liable to industrial poisoning but this accounted for only a small proportion of male accidental deaths in 1962 (33 by gas poisoning and 3 by solids or liquids). Suicidal poisonings are still slightly (about 12 per cent) higher for men than for women but the combined total poisonings for males (accident plus suicide) is now only one per cent greater than that for females. Ten years ago the combined male total was 18 per cent in excess of that for females and in 1912 it was 76 per cent in excess.

The drugs and poisons most frequently causing accidental death are the same at all ages except for children under the age of ten (Table CXXXII). At this omnivorous age children will experiment with anything edible, the commonest drug being the " harmless " aspirin. A detailed study of the risk at particular ages, based on deaths for all accidental poisoning from 1958 until 1962 and the 1960 population, gives the following rates per million annually:

Age ..	0–	1–	5–	10–	25–	65 and over
Males ..	8	12	2	9	30	124
Females	3	9	1	5	23	150

The relatively higher rate of accidental poisoning deaths in early childhood is shown, and the gradual rise in later adult life. It is the high rate in elderly females that accounts for most of the changes noted as between the sexes and partly for the increase over the years.

Accidental deaths caused by electric current (ICD No. E 914)

The number of deaths from this cause rose to 133 in 1961, after having averaged 122 during the previous five years, and fell to 112 in 1962. Figures for the past twenty years have been:

	Males	Females	Persons
1940–44 ..	84	16	100
1945–49 ..	79	20	99
1950–54 ..	83	20	103
1955–59 ..	100	20	120
1960	97	20	117
1961	111	22	133
1962	93	19	112

The number of deaths from electric current has remained fairly steady although during the past decade the consumption of electricity by domestic users has increased nearly threefold.

Of the 605 deaths in the past five years rather less than one-half (281 or 46 per cent) occurred at work. Of these deaths 10 were reported from mines or quarries; 36 occurred on farms, but not as accidents in the home; about two-thirds of the remainder occurred out of doors, presumably for the greater part connected with distribution systems and power lines. Deaths at work are predominantly of men, only 6 having occurred in females in the five-year period. Of these six, two were in industrial places or premises, the others presumably being of home workers.

Accidental deaths from electric current occurring in the home outnumbered those occurring in industrial places by 246 to 156 during 1958–1962. The death rates for home accidents per million population, based on the 1960 population, were:

Age	0–	5–	15–	45–	65 and over
Males	3·3	1·0	1·3	1·1	1·0
Females	0·9	0·2	0·7	1·2	1·2

The high rate for young children suggests the continued existence of hazards, such as live skirting board plugs, which could be abolished. The overall male excess, particularly among young boys, is to be expected from the general pattern of accidents, but the change with age in the ratio of male/female rates is a point that might usefully be examined further.

There is little seasonal fluctuation in deaths from electric current in the home, the quarterly totals for the period 1953–1962 having been:

Mar.	June	Sept.	Dec.
115	106	126	125

Drowning

Death by accidental drowning is not so frequent a cause of death in England and Wales as in some other countries. In 1957–1959 when the death rate for this cause for males was 32 per million living, it was one of the lowest rates published for European countries and only half the rate (64) for Scotland; the death rate for females was lower at 9 per million.

Although the number of deaths is relatively small, drowning accounts for more deaths than any single infectious disease with the exception of tuberculosis and syphilis. The importance of these accidental deaths is their more frequent association with young children, and the unfortunate circumstances under

	Occupants of small boats (water transport) ICD No. E 850		Accidental (other than water transport) ICD No. E 929		Suicidal ICD No. E 975	
	Male	Female	Male	Female	Male	Female
	Deaths					
1958	66	3	695	220	251	205
1959	64	4	719	214	249	197
1960	86	2	677	197	256	182
1961	81	7	680	197	232	177
1962	67	5	591	187	224	172
	Death rate per million living (based on 1960 population)					
0–	0·2	—	4·2	1·4	—	—
5–	3·5	0·2	41·1	7·4	—	—
15–	10·5	0·7	28·9	2·6	1·9	1·4
25–	2·8	0·2	16·9	3·8	6·6	4·8
45–	1·9	0·1	26·1	10·0	19·8	15·5
65 and over	0·8	—	54·8	17·9	40·7	17·2
All ages	3·3	0·18	30·5	8·6	11·0	7·9

which they often occur. Only a small proportion happen in places for recreation and sport; the majority occur in a variety of places—beaches, streams, lakes, ornamental ponds—not separately distinguished in the classification of deaths.

The number of persons exposed to the risk of drowning obviously varies with the season of the year. Deaths from both accidental drowning (ICD No. E 929) and from water transport accidents (ICD Nos. E 850–858) are more frequent in the summer months.

The greatest contrast in the characteristics of age-specific death rates is between drowning of occupants of small boats and suicidal drowning. The former shows a 17 : 1 male/female ratio, and highest death rates for both sexes during youth. The latter shows greater equality between the sexes and highest rates in old age. The rates for accidental drowning (including deaths with open verdicts) show a mixture of these characteristics, resembling the first group at younger ages and the last group at older ages.

Accidental mechanical suffocation in infancy

These deaths in infants present several problems, including the question whether suffocation is accidental or the result of fulminating respiratory infections. Although five ICD categories are discriminated:

E 921 Inhalation and ingestion of food

E 922 Inhalation and ingestion of other object

E 923 Foreign body entering other orifice

E 924 Accidental mechanical suffocation in bed or cradle

E 925 Accidental mechanical suffocation in other and unspecified circumstances

it is convenient to consider the whole group together (E 921–E 925) for the numbers in E 923 are negligible (only six deaths out of 2,142 for the whole group in the past six years).

The infant mortality rate from this cause is higher in male infants than in females by about 33 per cent, being 52 per hundred thousand for live male births and 39 for female births, during the six years 1957–1962. This ratio is maintained year by year, apart from erratic fluctuations, through the five individual categories. There are important changes with age, which can be expressed for unequal periods of exposure as deaths during the course of one week per hundred thousand infants:

	Age of infant						
	Days		Weeks	Months			
	0	1–6	1–3	1–2	3–5	6–8	9–11
Infant mortality rate per week per 100,000 births	2·6	1·4	1·6	1·9	1·1	0·2	0·06

The rate for the first day of life is based on small numbers, but the increased rate at months 1–2 is more important, occurring as it does during the period in which solid supplements or bottle feeding are introduced.

There are year to year fluctuations imposed upon two underlying trends—one the increasing number of births and the second a gradual falling off of the

infant mortality rate from this cause. The infant mortality from accidental suffocation has been, as a rate per hundred thousand live births:

	Males	Females
1950–53	87	66
1954–57	70	50
1958–61	51	37
1962	54	44

The infant mortality rate from this cause (combining the two sexes) during each of the six years 1957 to 1962 has been:

50, 51, 44, 41, 42, 49

respectively. The fluctuations do not appear to be connected with the various infectious diseases reported as causing influenzal deaths (ICD Nos. 480– 483) for which the death rate at all ages during the same six years has been, per million population:

150, 53, 173, 24, 154, 71

respectively. Neither do the annual variations in suffocation tally with the annual variation in infant deaths from pneumonia and bronchitis, the rates for which have been per hundred thousand live births during the same years:

341, 357, 349, 353, 324, 360

respectively.

There is a seasonal movement in the number of deaths from accidental suffocation which can be expressed as a percentage of the annual rate. These percentages for each quarter of the past six years are set out, alongside similar percentages for infant deaths from pneumonia and bronchitis:

Quarterly infant mortality rates as percentage of annual rate

Year	Accidental suffocation in infants				Pneumonia and bronchitis in infants			
	Quarter				Quarter			
	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
1957	104	80	82	136	134	78	69	120
1958	141	92	63	102	158	88	59	93
1959	123	89	75	114	158	83	58	99
1960	122	95	80	105	130	87	59	124
1961	112	86	86	119	154	80	59	107
1962	120	90	76	116	164	85	53	96

There is some seasonal swing in infant mortality from suffocation consistent with a portion of these deaths being associated with respiratory infections, but it is less than for pneumonia and bronchitis. After the Asian 'flu epidemic of 1957 which produced its greatest number of deaths in one month (October—3,527 influenza deaths at all ages), deaths from suffocation were the highest in any fourth quarter during the period reviewed. In 1961, however, when the peak number of influenza deaths at all ages was 3,725 in February, no abnormal increase in suffocation deaths was apparent.

MISCELLANEOUS

Corrected notifications and deaths assigned to certain infectious diseases

Table CXXXIII is confined to notifications and deaths in 1962 of some of the less common infectious diseases. The year saw an outbreak of smallpox and 66 cases were reported of which 26 proved fatal; 45 of the cases and 19 of the deaths occurred in South Wales. There was one death due to plague (ICD No. 058), the first in England and Wales for a number of years; it was a laboratory infection.

Table CXXXIII. Corrected notifications and deaths assigned to a few uncommon infectious diseases, 1962, England and Wales

Disease (and ICD No.)	Notifications			
	Administrative area of assignment	County	Number of cases	
			Males	Females
Cholera (043)	—	—	—	—
Plague (058)	—	—	—	—
Relapsing fever (071) ..	—	—	—	—
Smallpox (084) ..	Hornchurch U.D.	Essex	1	—
	Woolwich Met. B.	London A.C.	1	—
	West Bromwich C.B.	Staffordshire	1	—
	Birmingham C.B.	Warwickshire	1	—
	Solihull M.B.	Warwickshire	1	—
	Bradford C.B.	Yorkshire, West Riding	8	3
	Ilkley U.D.	Yorkshire, West Riding	1	1
	Cardiff C.B.	Glamorgan	1	—
	Rhondda U.D.	Glamorgan	5	4
	Llantrisant and Llantwit-fardre R.D.	Glamorgan	7	8
	Penybont R.D.	Glamorgan	20	—
Typhus fever (100–108) ..	—	—	—	—
Malaria (contracted in England and Wales 100–117)	—	—	—	—

There were, in addition, 3 original notifications of smallpox in the London Port Health District.

Table CXXXIII—*continued*

Deaths

Disease (and ICD No.)		Administrative area of assignment	County	Date of death
Cholera (043) ..	M	—	—	—
	F	—	—	—
Brucellosis (044) ..	M	Stockton on Tees M.B.	Durham	11th July
	F	—	—	—
Diphtheria (055) ..	M	Port Talbot M.B.	Glamorgan	11th March
	M	Keighley M.B.	Yorkshire, West Riding	18th March
	F	—	—	—
Plague (058) ..	M	Salisbury R.D.	Wiltshire	1st August
	F	—	—	—
Anthrax (062) ..	M	Liverpool C.B.	Lancashire	19th February
	F	—	—	—
Relapsing fever (071)	M	—	—	—
	F	—	—	—
Smallpox (084) ..	M	St. Pancras Met. B.	London A.C.	7th January
	M	Bradford C.B.	Yorkshire, West Riding	11th January
	M	Bradford C.B.	Yorkshire, West Riding	12th January
	M	Bradford C.B.	Yorkshire, West Riding	23rd January
	M	Llantrisant and Llantwitfordre R.D.	Glamorgan	6th March
	M	Llantrisant and Llantwitfordre R.D.	Glamorgan	13th March
	F	Bradford C.B.	Yorkshire, West Riding	30th December, 1961
	F	Bradford C.B.	Yorkshire, West Riding	12th January
	F	Rhondda M.B.	Glamorgan	9th February
	F	Rhondda M.B.	Glamorgan	4th March
	F	Rhondda M.B.	Glamorgan	11th March
	F	Rhondda M.B.	Glamorgan	20th March
	F	Penybont R.D.	Glamorgan	25th March
	F	Penybont R.D.	Glamorgan	7th April
	F	Mountain Ash U.D.	Glamorgan	8th April
	F	Neath R.D.	Glamorgan	9th April
	F	Port Talbot M.B.	Glamorgan	10th April
	F	Penybont R.D.	Glamorgan	10th April
	F	Barry M.B.	Glamorgan	11th April
	F	Port Talbot M.B.	Glamorgan	12th April
	F	Port Talbot M.B.	Glamorgan	15th April
	F	Port Talbot M.B.	Glamorgan	15th April
	F	Maesteg U.D.	Glamorgan	16th April
	F	Maesteg U.D.	Glamorgan	16th April
	F	Port Talbot M.B.	Glamorgan	16th April

Table CXXXIII—*continued*

Deaths—*contd.*

Disease (and ICD No.)		Administrative area of assignment	County	Date of death
Rabies (094) ..	M	—	—	—
	F	—	—	—
Typhus and other rickettsial diseases (100–108)	M	—	—	—
	F	—	—	—
Actinomycosis (132)	M	Willesden M.B.	Middlesex	17th January
	M	Keighley M.B.	Yorkshire, West Riding	19th April
	M	Dudley C.B.	Worcestershire	24th April
	M	Holywell R.D.	Flintshire	5th July
	M	Worsborough U.D.	Yorkshire, West Riding	17th November
	F	—	—	—

Diphtheria notifications and deaths fell from 51 cases (10 fatal) in 1961 to 16 cases and 2 deaths in 1962.

Table CXXXIV. Corrected notifications of diphtheria, 1962, England and Wales

Administrative area of assignment	County	Number of cases	
		M	F
Colchester M.B.	Essex	1	—
Elstree R.D.	Hertfordshire	—	2
Liverpool C.B.	Lancashire	1	—
Birmingham C.B.	Warwickshire	—	1
Leeds C.B.	Yorkshire, West Riding ..	2	—
Keighley M.B.	Yorkshire, West Riding ..	1	—
Neath M.B.	Glamorgan	2	3
Port Talbot M.B.	Glamorgan	2	1

Deaths from encephalitis certified secondary to infectious disease

Table CXXXV shows the numbers and sex-age distribution of deaths in which an infectious disease was the underlying cause but where encephalitis was also mentioned on the certificate of cause of death, either in Part I as a complication of the infectious illness or in Part II as a condition contributing to the death. The total numbers of deaths assigned to the infectious diseases in question are shown for comparison.

Table CXXXV. Deaths from encephalitis certified as secondary to infectious disease, by underlying cause, sex and age, 1962, England and Wales

ICD No.	Cause of death		All deaths	Deaths from encephalitis secondary to infectious diseases										
				All ages	0–	1–	2–	3–	4–	5–9	10–14	15–24	25–44	45–64	65 and over
002	Pulmonary tuberculosis	M	1,922	1	—	—	—	—	—	—	—	—	—	1	—
		F	662	—	—	—	—	—	—	—	—	—	—	—	—
056	Whooping cough	M	15	—	—	—	—	—	—	—	—	—	—	—	—
		F	9	1	1	—	—	—	—	—	—	—	—	—	—
057	Meningococcal infections	M	88	—	—	—	—	—	—	—	—	—	—	—	—
		F	50	1	—	—	—	—	1	—	—	—	—	—	—
084	Smallpox	M	7	—	—	—	—	—	—	—	—	—	—	—	—
		F	19	1	—	—	—	—	—	—	—	—	1	—	—
085	Measles	M	20	4	—	2	—	—	1	1	—	—	—	—	—
		F	19	4	—	—	—	1	1	2	—	—	—	—	—
086	Rubella	M	2	1	—	—	—	—	—	—	1	—	—	—	—
		F	4	1	—	—	—	—	—	1	—	—	—	—	—
087	Chickenpox	M	17	3	—	1	—	—	1	—	1	—	—	—	—
		F	6	1	1	—	—	—	—	—	—	—	—	—	—
088	Herpes zoster	M	22	3	—	—	—	—	—	—	—	—	—	—	3
		F	30	3	—	—	—	—	—	—	—	—	—	—	3
089	Mumps	M	2	1	—	—	—	—	—	—	1	—	—	—	—
		F	1	—	—	—	—	—	—	—	—	—	—	—	—
093	Glandular fever (infectious mononucleosis)	M	4	—	—	—	—	—	—	—	—	—	—	—	—
		F	2	1	—	—	—	—	—	—	—	1	—	—	—
096	Other diseases attributable to viruses	M	18	1	—	—	—	—	—	—	—	1	—	—	—
		F	7	—	—	—	—	—	—	—	—	—	—	—	—
480	Influenza with pneumonia	M	941	2	—	—	—	—	—	1	—	—	1	—	—
		F	1,104	—	—	—	—	—	—	—	—	—	—	—	—
483	Influenza with nervous manifestations but without digestive or respiratory symptoms	M	3	1	1	—	—	—	—	—	—	—	—	—	—
		F	3	—	—	—	—	—	—	—	—	—	—	—	—
	Total	M	**3,061**	**17**	**1**	**3**	—	—	**2**	**2**	**3**	**1**	**1**	**1**	**3**
		F	**1,916**	**13**	**2**	—	—	**1**	**2**	**3**	—	**1**	**1**	—	**3**

Tetanus

The average annual number of deaths assigned to tetanus (ICD No. 061) as the cause of death has fallen from 71 (in 1949–53) to 31 (in 1954–58). Some deaths in which tetanus is involved are assigned to the known cause of injury or intervention which served as a means of entry for the tetanus infection, and it is desirable to consider these as well. The deaths of males and females in the two categories in recent years have been:

Year	Assigned to tetanus			Assigned elsewhere			Total
	Males	Females	Persons	Males	Females	Persons	
1958	10	10	20	16	5	21	41
1959	17	8	25	8	5	13	38
1960	15	3	18	5	9	14	32
1961	15	9	24	15	2	17	41
1962	13	6	19	8	2	10	29

Age specific death rates based on the accumulated data for the above five years and the estimated population for 1960 show two periods of life with above average risks of death from tetanus—early childhood, when frequent minor injuries are to be expected, and old age:

Assignment	Death rate per million population								
	0–	5–	15–	25–	35–	45–	55–	65–	75 and over
	Males								
Tetanus (061)	0·7	1·3	0·3	0·2	0·1	0·4	0·8	1·1	2·0
Elsewhere ..	0·2	0·5	1·0	0·3	0·3	0·4	0·2	0·8	0·6
	Females								
Tetanus (061)	0·3	0·3	0·1	0·3	0·2	0·2	0·3	0·5	1·3
Elsewhere ..	0·2	0·1	0·1	0·1	0·1	0·2	0·5	0·3	0·5

The reported information for the past five years about the place of occurrence and objects producing tetanus infection is given in Table CXXXVI, and about the site of the injury in Table CXXXVII. In many instances detailed information is not available, and such deaths tend to be reported simply as " Tetanus "; if the circumstances are known and the injury is definite, death is more likely to be assigned to the injury than to tetanus. The association with slight injuries in the garden or on farms is still apparent. Another small but important group is that of tetanus infection arising after, and presumably as a result of, operative intervention. Such cases are marked with an asterisk in Table CXXXVII.

Details of the 1962 deaths are given in Table CXXXIX.

During the past five years 106 deaths were assigned to tetanus, and 75 other deaths were assigned elsewhere but had tetanus mentioned as a contributory

Table CXXXVI. Deaths from tetanus by place of occurrence and object causing injury, 1958–1962, England and Wales

	Assigned to tetanus (ICD No. 061)					Assigned elsewhere				
	1958	1959	1960	1961	1962	1958	1959	1960	1961	1962
Farm										
Knife	—	—	—	—	—	—	1	—	—	—
Seed drill ..	—	—	—	—	—	1	—	—	—	—
Tight boots ..	—	1	—	—	—	—	—	—	—	—
Tractor ..	—	—	—	—	—	2	—	—	—	—
Not stated ..	—	—	—	—	—	2	—	—	1	—
Garden										
Fireworks ..	—	—	—	—	—	2	—	—	—	—
Garden fork ..	—	—	—	—	—	1	—	—	—	1
Nail	—	—	1	—	—	—	—	—	—	—
Shed door ..	—	—	—	—	—	—	—	1	—	—
Splinter ..	—	—	—	2	—	—	—	—	—	—
Stalk, thorn ..	1	—	—	1	—	—	—	—	—	—
Wood ..	—	—	—	—	—	1	—	—	—	—
Unspecified falls ..	—	—	—	—	2	—	1	1	3	—
Not stated ..	—	1	—	—	1	—	—	—	—	—
Home										
Child's spade..	—	—	—	—	—	—	—	1	—	—
Cigarette (burn)	—	—	—	—	—	—	—	—	1	—
Dog (bite) ..	—	—	—	—	—	—	1	—	—	—
Domestic fire..	—	—	—	—	—	1	—	1	—	—
Kitchen mangle	—	1	—	—	—	—	—	—	—	—
Nail	—	—	—	—	—	—	—	—	—	1
Splinter ..	—	—	1	—	—	—	—	—	—	—
Window ..	—	1	—	—	—	—	—	—	—	—
Wood ..	1	—	—	—	—	—	—	—	—	—
Unspecified falls ..	1	—	—	1	—	1	1	1	—	1
Industrial place and premises										
Car spring ..	—	1	—	—	—	—	—	—	—	—
Coal	—	—	—	—	—	—	1	—	—	—
Concrete lintel	—	—	—	—	—	—	—	1	—	—
Conveyor belt	—	—	1	—	—	—	—	—	—	—
Humane killer	—	—	—	—	—	—	—	—	1	—
Machine ..	—	—	—	—	—	—	—	1	—	—
Nail	1	—	—	—	1	—	—	—	—	—
Power press ..	—	—	—	—	—	—	—	—	—	1
Sheet plate ..	—	1	—	—	—	—	—	—	—	—
Mine or quarry										
Gun	—	—	—	—	—	1	—	—	—	—
Place for recreation and sport										
Unspecified falls ..	—	—	—	—	—	—	1	—	1	1
Not stated ..	—	—	—	—	—	—	—	—	2	—
Roads										
Motorcycle ..	—	—	—	—	—	3	—	—	1	—
Bicycle ..	—	—	1	—	—	—	—	—	—	—
Waste land										
Old iron ..	—	1	—	—	—	—	—	—	—	—
Broken glass ..	—	—	—	—	—	—	—	—	1	—
Other specified places ..	—	—	—	—	—	1	—	—	—	2
Place not specified	16	18	14	20	15	5	7	7	6	3
**Total .. .. ..

cause. The proportion assigned elsewhere (75/181 or 41 per cent) is naturally high with injuries to the head and neck (6/9) or trunk (8/8); with injuries to the hands and feet the proportion is lower:

	Assigned elsewhere		Total
	Number	Per cent	
Upper limb			
Arm	4	100	4
Wrist, hand and finger	11	41	27
Lower limb			
Thigh, knee, leg	25	61	41
Ankle, foot and toes	11	41	27

Table CXXXVII. Deaths from tetanus according to site of injury, 1958 to 1962, England and Wales

	Assigned to tetanus (ICD No. 061)					Assigned elsewhere				
	1958	1959	1960	1961	1962	1958	1959	1960	1961	1962
Head and neck										
Scalp	—	—	—	—	—	—	1	—	1	—
Face	—	—	—	1	1	1	—	—	—	—
Lip	—	—	—	1	—	—	—	—	—	1
Teeth (extraction)	—	—	—	—	—	—	—	1*	—	—
Nose	—	—	—	—	—	1	—	—	—	—
Trunk										
Trachea	—	—	—	—	—	1*	—	—	—	—
Chest	—	—	—	—	—	1*	—	—	—	—
Abdomen	—	—	—	—	—	—	2*	—	—	1*
Umbilicus	—	—	—	—	—	—	1*	—	—	—
Scrotum	—	—	—	—	—	—	—	—	1	—
Uterus	—	—	—	—	—	1*	—	—	—	—
Upper limb										
Arm	—	—	—	—	—	1	2	1	—	—
Wrist	—	—	—	1	1	—	—	1	—	—
Hand	—	—	2	—	2	1	—	—	1	—
Thumb	1	2	—	1	—	1	—	—	—	1
Finger	—	3	1	1	1	1	2	2	1	—
Lower limb										
Thigh	—	—	—	—	—	1	—	—	1	—
Knee	1	3	3	—	2	1	1	—	2	1
Leg	1	1	1*	3	1	5	—	5	6	2
Ankle	1	1	—	—	—	—	—	—	1	1
Foot	1	1	3	3	2	2	—	2	—	2
Toe	—	3	—	1	—	1	1	1	—	—
Site not specified	15	11	8	12	9	2	3	1	3	1
Total	**20**	**25**	**18**	**24**	**19**	**21**	**13**	**14**	**17**	**10**

* Therapeutic or post-operative.

(89963) I*

Table CXXXVIII. Deaths due to tetanus, by sex and age, 1958 to 1962, England and Wales

	Age									All ages
	0–	5–	15–	25–	35–	45–	55–	65–	75 and over	
Assigned to tetanus (ICD No. 061)										
Males										
1958	—	4	2	—	—	2	1	1	—	10
1959	3	4	—	1	1	1	4	1	2	17
1960	—	7	1	—	—	2	2	1	2	15
1961	2	4	1	1	1	1	1	3	1	15
1962	1	4	—	1	—	1	2	2	2	13
Females										
1958	—	1	—	2	1	2	1	1	2	10
1959	2	3	—	—	2	—	1	—	—	8
1960	1	—	1	—	—	—	—	—	1	3
1961	—	1	—	2	—	1	—	3	2	9
1962	—	—	—	—	—	—	2	1	3	6
Assigned elsewhere										
Males										
1958	—	2	7	2	—	2	—	3	—	16
1959	1	1	1	2	—	—	1	2	—	8
1960	1	—	1	—	2	1	—	—	—	5
1961	—	3	4	—	2	3	2	—	1	15
1962	—	3	2	—	—	1	—	1	1	8
Females										
1958	—	—	1	1	1	—	1	—	1	5
1959	2	—	—	—	—	2	—	1	—	5
1960	—	1	—	—	—	1	3	2	2	9
1961	—	—	—	—	—	—	2	—	—	2
1962	—	—	—	—	1	—	1	—	—	2

Table CXXXIX. Deaths due to tetanus, by sex and age, showing cause of tetanus, 1962, England and Wales

Age	Sex	Cause of tetanus
		(*a*) assigned to tetanus (ICD No. 061)
1 year	M	Tetanus*
5 years	M	Puncture wound of knee
6 years	M	Trivial injury
9 years	M	Cut knee
12 years	M	Punctured heel with a piece of wood
32 years	M	Trod on nail
45 years	M	Tetanus*
59 years	F	Tetanus*
60 years	F	Graze of right hand
61 years	M	Minor injuries
61 years	M	Tetanus*
66 years	F	Graze of right leg
67 years	M	Scratched hand
70 years	M	Tetanus*
75 years	M	Tetanus*
76 years	F	Jnjury to finger caused by splinter of wood
76 years	F	Injury to wrist
81 years	F	Facial injury and foreign body caused by fall
81 years	M	Slight injury sustained while working in garden
		(*b*) assigned elsewhere
11 years	M	Laceration of left knee sustained when he fell whilst playing football
12 years	M	Wound of right leg by garden fork
13 years	M	Struck by stone at play
15 years	M	Laceration of ankle
18 years	M	Injury to thumb whilst operating power press
44 years	F	Stood on nail on piece of wood
50 years	M	Varicose ulcer
64 years	F	Resection of ileum for volvulus of the small intestine
69 years	M	Arterio sclerotic gangrene of foot
81 years	M	Injury to lip due to fall on wooden seed-box

* No cause stated.

Deaths associated with vaccination or other prophylactic inoculation

This section has been enlarged to include deaths due to vaccinia virus transmitted from a recently vaccinated contact (ICD No. 096.3) and is divided into three categories. The mortality in these categories associated with smallpox vaccination must be considered in the light of the unusually large number of vaccinations performed in 1962 as a result of the smallpox outbreak. There were seven times as many primary vaccinations in 1962 as in 1961 and 34 times as many re-vaccinations, the actual figures for 1962 being 3·2 million primary vaccinations and 3·1 million re-vaccinations (Annual Report of the Chief Medical Officer of the Ministry of Health for the year 1962).

(*a*) ICD Nos. E940–E942, vaccinia, post-vaccinal encephalitis, and other complications of smallpox vaccination, and ICD Nos. E943, E944, post-immunization jaundice and hepatitis, and other complications of prophylactic inoculation.

Twelve deaths were assigned to this category as compared with eight in 1961 and seven in 1960, the increase being confined to deaths following

smallpox vaccination. Five were due to post-vaccinal encephalitis, four to generalised vaccinia, and three to complications of vaccination:

(1) Male aged 15 years, certified as post-vaccinal encephalitis and chronic nephritis.

(2) Male aged 19 years, certified as I(a) Staphylococcal pneumonia, I(b) Generalised vaccinia, following smallpox vaccination. (Deceased stated to be liable to eczema.)

(3) Male aged 48 years, certified as generalised vaccinia due to prophylactic smallpox vaccination, eczema.

(4) Male aged 49 years, certified as I(a) Cardio-respiratory failure, I(b) Encephalitis; recent vaccination against smallpox.

(5) Male aged 59 years, certified as I(a) Pulmonary embolism and infarction, I(b) Encephalomyelitis fourteen days after vaccination.

(6) Female aged 7 years, certified as cerebral complications due to primary vaccination against smallpox.

(7) Female aged 7 years, certified as post-vaccinal encephalitis following primary smallpox vaccination.

(8) Female aged 25 years, certified as I(a) Viraemia, I(b) Toxic myocarditis, I(c) Eczema vaccinatum.

(9) Female aged 41 years, certified as I(a) Toxaemia, I(b) Generalised vaccinia, II Carcinomatosis.

(10) Female aged 49 years, certified as myocarditis following smallpox vaccination.

There were two deaths assigned to complications of other prophylactic inoculations:

(11) Male aged 4 years, certified as anaphylactic shock (complicating bronchial asthma) due to anti-tetanic serum as a result of an injection for a cut on his forehead.

(12) Female aged 2 months, certified as encephalopathy following prophylactic inoculation against diphtheria, whooping cough and tetanus.

(*b*) Deaths assigned to other underlying causes but where the vaccination of the deceased was either mentioned on the certificate or ascertained by enquiry to have been associated with the death.

There were nine deaths included in this category. Hypogammaglobulinaemia was mentioned on three death certificates, in one of which it was associated with B.C.G. vaccination:

(1) Male aged 6 months, certified as I(a) Bronchopneumonia, I(b) Septicaemia, I(c) Generalised vaccinia; vaccinated against smallpox thirty-nine days previously.

(2) Male aged 7 months, certified as I Pseudomonas pyocyanea pneumonia, II Vaccinia gangrenosa associated with hypogammaglobulinaemia.

(3) Male aged 8 months, certified as I(a) Bilateral pneumonia, II Generalised vaccinia, hypogammaglobulinaemia.

(4) Male aged 9 months, certified as I Pneumocystis carinii due to hypogammaglobulinaemia, II Miliary dissemination of B.C.G. subsequent to vaccination.

(5) Male aged 9 months, certified as bilateral bronchopneumonia and atelectasis. (Further investigation by the Ministry of Health showed that this death could quite properly be accepted as postvaccinal encephalitis.)
(6) Male aged 53 years, certified as I(a) Purulent bronchitis, I(b) Chronic bronchitis, II Erythema multiforme; vaccinated against smallpox twenty-three days previously.
(7) Female aged 9 weeks, certified as I Bronchopneumonia, II Vaccination.
(8) Female aged 3 years, certified as I Anoxia due to acute tracheobronchitis, II Primary vaccination, eighth day.
(9) Female aged 72 years, certified as I(a) Congestive cardiac failure, I(b) Bronchopneumonia, II Vaccination reaction.

(*c*) ICD No. 096.3, deaths where the vaccination of a contact of the deceased was either mentioned on the certificate or ascertained by enquiry to have been associated with the death.

The eight deaths assigned to this category all occurred in children, the eldest being 4 years of age. Five of these were due to generalised vaccinia, and in the remaining three eczema was a cause:

(1) Male aged 1 day, certified as I Vaccinia, II Prematurity.
(2) Male aged 9 months, certified as eczema vaccinatum.
(3) Male aged 18 months, certified as eczema vaccinatum.
(4) Male aged 2 years, certified as I(a) Bronchopneumonia, I(b) Toxaemia, I(c) Eczema vaccinatum.
(5) Male aged 3 years, certified as generalised vaccinia.
(6) Male aged 4 years, certified as generalised vaccinia.
(7) Female aged 11 months, certified as I(a) Bronchopneumonia, I(b) Vaccinia, I(c) Infantile eczema.
(8) Female aged 17 months, certified as toxaemia due to generalised vaccina and infected napkin rash.

Deaths by cause, sex and age connected with the administration of anaesthetics

Table CXL gives an analysis by age, sex and cause of deaths in which anaesthesia was mentioned on the death certificate. The number of these deaths has been decreasing steadily since 1959, and was 286 in 1962 compared with 323 in 1961.

Deaths in institutions

In Table CXLI deaths in England and Wales in 1962 are analysed by cause of death and type of place where death occurred. The percentages of institutional and domiciliary deaths in 1962 and some previous years for comparison are as follows:

	1954	1960	1961	1962
Psychiatric hospitals	2·7	3·1	3·1	3·2
Other hospitals and institutions for the sick — N.H.S.	37·9	44·2	44·9	45·5
Other hospitals and institutions for the sick — non-N.H.S.	2·7	2·7	2·6	2·5
Other institutions	2·7	3·0	3·2	3·2
At deceased's own home	49·5	42·0	41·1	40·5
Other private house, etc.	4·5	5·0	5·0	5·0

There has been a steady increase in the proportion of deaths occurring in N.H.S. hospitals since 1954, and a corresponding decline in the proportion dying at home.

Table CXL. Deaths by cause, sex and age, connected with the administration of anaesthetics, 1962, England and Wales

ICD No.	Cause of death	All ages		0–		5–		15–		25–		35–		45–		55–		65 and over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
020–029	Syphilis and its sequelae	2	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
140–205	Malignant neoplasms including neoplasms of lymphatic and haematopoietic tissues	29	30	1	—	—	—	1	—	—	1	1	2	2	3	10	10	14	14
210–239	Benign neoplasms and neoplasms of unspecified nature	3	2	1	—	—	—	—	—	—	1	—	—	—	—	—	—	2	1
250–254	Diseases of thyroid gland	4	—	—	—	—	—	—	—	—	—	—	—	1	—	2	—	1	—
260	Diabetes mellitus	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
330–334	Vascular lesions affecting central nervous system	2	3	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	2
370–389	Diseases of the eye	6	2	—	—	2	1	—	—	—	—	—	—	—	—	1	—	3	1
410–416	Chronic rheumatic heart disease	1	6	—	—	—	—	—	—	—	—	—	1	—	2	1	2	—	1
420–422	Arteriosclerotic and degenerative heart disease	9	1	—	—	—	—	—	—	—	—	1	—	1	—	3	—	4	1
444–447	Other hypertensive diseases	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
450–456	Diseases of arteries	3	3	—	—	—	—	—	—	—	—	—	—	1	1	2	—	—	2
500–502	Bronchitis	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—
510	Hypertrophy of tonsils and adenoids	2	3	—	—	2	3	—	—	—	—	—	—	—	—	—	—	—	—
530–535	Diseases of the teeth and supporting structures	3	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	1	—
540, 541	Ulcer of stomach and duodenum	11	4	—	—	—	—	—	—	—	—	1	—	5	1	4	—	1	3
550–553	Appendicitis	6	5	1	—	2	1	—	2	—	—	—	1	—	—	3	1	—	—
560, 561, 570	Intestinal obstruction and hernia	17	13	1	—	—	—	—	—	1	1	—	—	—	2	3	2	12	8
572	Chronic enteritis and ulcerative colitis	2	1	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1	—
580–587	Diseases of liver, gallbladder and pancreas	3	5	—	—	—	—	—	—	—	1	—	—	1	1	1	—	1	3
590–609	Diseases of the urinary system	4	6	—	—	—	—	—	—	—	—	—	—	2	—	1	—	1	6
610	Hyperplasia of prostate	17	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	15	—
640–689	Deliveries and complications of pregnancy, childbirth and the puerperium	—	9	—	—	—	—	—	3	—	4	—	2	—	—	—	—	—	—
720–749	Diseases of the bones and organs of movement	2	2	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	2
750–759	Congenital malformations	5	6	2	5	2	—	—	1	—	—	—	—	—	—	1	—	—	—
Rem. 001–795	All other diseases	15	11	—	1	2	2	2	—	1	1	2	2	3	—	4	2	1	3
E810–E835	Motor vehicle accidents	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—
E900–E904	Accidental falls	6	11	—	—	1	—	—	—	1	—	1	—	—	1	—	1	3	9
Rem. E800–E999	All other accidents and violence	5	—	—	—	1	—	—	—	1	—	1	—	2	—	—	—	—	—
	All causes	**161**	**125**	**6**	**6**	**12**	**7**	**4**	**6**	**5**	**9**	**8**	**8**	**21**	**12**	**42**	**20**	**63**	**57**

Table CXLI. Deaths by cause and sex according to type of institution, etc., in which they occurred, 1962, England and Wales

Cause of death	ICD No.	Total deaths		Psychiatric hospitals				Other hospitals and institutions for the care of the sick				Other institutions		At deceased person's own home		In other private houses and other places	
				N.H.S.		Other than N.H.S.		N.H.S.		Other than N.H.S.							
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
All causes		**285,154**	**272,482**	**7,323**	**10,132**	**139**	**370**	**132,801**	**120,704**	**4,439**	**9,602**	**7,029**	**11,072**	**117,457**	**108,427**	**15,966**	**12,175**
Infective and parasitic diseases ..	001–138	**3,455**	**1,716**	**117**	**75**	—	—	**2,132**	**1,071**	**31**	**24**	**43**	**22**	**1,063**	**482**	**69**	**42**
Tuberculosis of respiratory system ..	001–008	2,101	673	60	24	—	—	1,250	399	15	12	21	5	729	219	26	14
Tuberculosis, other forms	010–019	181	133	5	4	—	—	149	103	—	—	—	—	24	23	3	3
Syphilis and its sequelae	020–029	509	313	32	16	—	—	248	134	5	1	10	8	182	139	32	15
Gonococcal infection and other venereal diseases	030–039	9	—	—	—	—	—	5	—	—	—	—	—	4	—	—	—
Infectious diseases commonly arising in the intestinal tract	040–049	38	20	2	2	—	—	29	14	2	1	1	—	4	3	—	—
Other bacterial diseases	050–064	190	132	2	6	—	—	152	100	—	2	—	—	34	22	2	2
Spirochaetal diseases, except syphilis	070–074	14	2	—	—	—	—	14	1	—	1	—	—	—	—	—	—
Diseases attributable to viruses ..	080–096	337	375	15	23	—	—	238	276	6	7	10	7	64	57	4	5
Typhus and other rickettsial diseases	100–108	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Malaria	110–117	4	1	—	—	—	—	3	1	1	—	—	—	—	—	—	—
Other infective and parasitic diseases	120–138	72	67	1	—	—	—	44	43	2	—	1	2	22	19	2	3
Neoplasms	140–239	**55,292**	**47,560**	**567**	**613**	**12**	**15**	**29,167**	**23,795**	**1,290**	**2,302**	**554**	**689**	**22,952**	**18,059**	**750**	**2,087**
Malignant neoplasm of buccal cavity and pharynx	140–148	1,061	631	19	6	—	—	485	336	45	25	30	14	467	222	15	28
Malignant neoplasm of digestive organs and peritoneum	150–159	19,061	18,412	213	229	2	9	9,386	8,584	467	878	203	311	8,501	7,462	289	939
Malignant neoplasm of respiratory system	160–165	21,064	3,806	197	48	5	—	10,885	2,142	378	158	144	26	9,183	1,279	272	153
Malignant neoplasm of breast and genito-urinary organs	170–181	7,414	18,414	63	226	4	4	3,998	8,704	252	1,007	128	276	2,875	7,419	94	778
Malignant neoplasm of other and unspecified sites	190–199	3,141	3,027	49	58	1	—	1,882	1,712	83	151	34	36	1,050	971	42	99
Neoplasms of lymphatic and haemopoietic tissues	200–205	2,994	2,583	13	16	—	1	2,122	1,815	56	73	7	16	768	583	28	79
Benign neoplasm	210–229	284	470	6	18	—	—	212	342	3	7	5	5	51	90	7	8
Neoplasm of unspecified nature ..	230–239	273	217	7	12	—	1	197	160	6	3	3	5	57	33	3	3
Allergic, endocrine system, metabolic, and nutritional diseases	240–289	**2,396**	**4,439**	**46**	**124**	—	**4**	**1,361**	**2,569**	**21**	**69**	**33**	**100**	**866**	**1,433**	**69**	**140**
Allergic disorders	240–245	605	777	7	20	—	1	208	303	—	10	2	16	353	390	35	37
Diseases of thyroid gland	250–254	120	697	4	21	—	1	67	393	—	8	1	12	39	234	9	28
Diabetes mellitus	260	1,330	2,481	30	70	—	2	866	1,573	18	39	26	66	374	669	16	62
Diseases of other endocrine glands	270–277	134	152	2	6	—	—	90	101	1	2	3	2	34	40	4	1
Avitaminoses, and other metabolic diseases	280–289	207	332	3	7	—	—	130	199	2	10	1	4	66	100	5	12

Table CXLI—*continued*

Cause of death	ICD No.	Total deaths		Psychiatric hospitals				Other hospitals and institutions for the care of the sick				Other institutions		At deceased person's own home		In other private houses and other places	
				N.H.S.		Other than N.H.S.		N.H.S.		Other than N.H.S.							
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of the blood and blood-forming organs	290–299	**776**	**1,318**	**11**	**23**	**1**	—	**534**	**796**	**12**	**28**	**17**	**33**	**190**	**408**	**11**	**30**
Mental, psychoneurotic, and personality disorders	300–326	**461**	**708**	**179**	**224**	**2**	**13**	**134**	**296**	**9**	**17**	**64**	**31**	**68**	**114**	**5**	**13**
Psychoses	300–309	329	571	140	206	1	12	99	243	3	13	61	25	25	64	—	8
Psychoneurotic disorders	310–318	15	51	6	4	—	—	3	17	1	1	1	6	4	20	—	3
Disorders of character, behaviour, and intelligence	320–326	117	86	33	14	1	1	32	36	5	3	2	—	39	30	5	2
Diseases of the nervous system and sense organs	330–398	**34,443**	**49,657**	**962**	**1,254**	**17**	**73**	**17,785**	**23,394**	**695**	**2,262**	**1,563**	**2,659**	**12,782**	**18,355**	**639**	**1,660**
Vascular lesions affecting central nervous system	330–334	31,673	46,624	775	1,076	13	63	16,192	21,636	644	2,134	1,452	2,500	12,010	17,593	587	1,622
Inflammatory diseases of central nervous system	340–345	700	826	13	18	1	2	519	587	9	22	21	33	131	158	6	6
Other diseases of central nervous system	350–357	1,865	2,081	168	159	3	7	926	1,080	40	105	39	125	597	576	42	29
Diseases of nerves and peripheral ganglia	360–369	50	39	1	1	—	—	39	25	—	1	—	—	10	10	—	2
Inflammatory diseases of eye	370–379	6	4	—	—	—	—	6	4	—	—	—	—	—	—	—	—
Other diseases and conditions of eye	380–389	24	31	1	—	—	—	14	26	1	—	1	1	7	4	—	—
Diseases of ear and mastoid process	390–398	125	52	4	—	—	1	89	36	1	—	—	—	27	14	4	1
Diseases of the circulatory system	400–468	**105,466**	**102,857**	**3,154**	**4,495**	**79**	**163**	**35,090**	**33,551**	**1,390**	**3,380**	**2,955**	**5,174**	**54,028**	**50,717**	**8,770**	**5,377**
Rheumatic fever	400–402	62	44	3	4	—	—	37	28	—	—	—	—	20	10	2	2
Chronic rheumatic heart disease	410–416	2,529	4,783	49	78	1	4	1,272	2,461	21	78	29	75	1,001	1,916	156	171
Arteriosclerotic and degenerative heart disease	420–422	81,063	69,548	2,436	3,417	60	128	23,631	19,392	1,014	2,414	2,252	3,811	43,846	36,401	7,824	3,985
Other diseases of heart	430–434	6,389	8,213	131	182	1	2	3,248	3,757	102	252	201	359	2,540	3,294	166	367
Hypertensive heart disease	440–443	4,266	6,265	202	295	—	4	1,475	1,934	49	200	135	256	2,211	3,282	194	294
Other hypertensive disease	444–447	2,599	3,022	83	110	1	3	1,110	1,030	43	108	52	146	1,170	1,475	140	150
Diseases of arteries	450–456	6,959	8,549	184	291	16	20	3,139	3,351	146	298	271	481	2,951	3,769	252	339
Diseases of veins and other diseases of circulatory system	460–468	1,599	2,433	66	118	—	2	1,178	1,598	15	30	15	46	289	570	36	69
Diseases of the respiratory system	470–527	**42,923**	**29,871**	**1,693**	**2,477**	**15**	**87**	**20,735**	**13,521**	**508**	**808**	**1,313**	**1,540**	**17,755**	**10,530**	**904**	**908**
Acute upper respiratory infections	470–475	60	56	2	4	—	—	27	20	—	—	1	3	28	25	2	4
Influenza	480–483	1,511	1,797	52	93	2	14	331	349	19	64	101	175	951	996	55	106
Pneumonia	490–493	14,472	16,437	1,158	2,039	9	54	8,836	8,857	213	455	503	854	3,478	3,799	275	379
Bronchitis	500–502	23,351	9,942	363	273	4	17	9,899	3,523	246	221	651	439	11,712	5,095	476	374
Other diseases of respiratory system	510–527	3,529	1,639	118	68	—	2	1,642	772	30	68	57	69	1,586	615	96	45

Diseases of the digestive system	**530–587**	**8,018**	**7,540**	**126**	**158**	**2**	**3**	**6,440**	**5,796**	**112**	**146**	**72**	**88**	**1,182**	**1,239**	**84**	**110**
Diseases of buccal cavity and oesophagus	530–539	123	160	9	14	—	1	93	107	2	2	1	9	18	22	—	5
Diseases of the stomach and duodenum	540–545	3,253	1,679	39	32	—	—	2,623	1,258	40	30	33	24	487	312	31	23
Appendicitis	550–553	347	259	1	4	1	—	319	232	7	7	2	1	15	14	2	1
Hernia of abdominal cavity	560, 561	740	848	14	20	—	1	591	675	11	10	10	13	108	118	6	11
Other diseases of intestines and peritoneum	570–578	1,979	2,556	40	56	1	—	1,577	1,936	20	49	15	27	299	445	27	43
Diseases of liver, gallbladder and pancreas	580–587	1,576	2,038	23	32	—	1	1,237	1,588	32	48	11	14	255	328	18	27
Diseases of the genito-urinary system	**590–637**	**6,300**	**3,903**	**131**	**129**	—	**2**	**4,559**	**2,659**	**153**	**88**	**103**	**65**	**1,289**	**888**	**65**	**72**
Nephritis and nephrosis	590–594	1,769	1,654	46	54	—	—	1,165	965	26	38	17	30	487	521	28	46
Other diseases of urinary system	600–609	1.563	2,077	38	74	—	2	1,166	1,556	44	47	24	35	278	338	13	25
Diseases of male genital organs	610–617	2,968		47		—		2,228		83		62		524		24	
Diseases of breast, ovary, Fallopian tube and parametrium	620–626		39		1		—		31		1		—		5		1
Diseases of uterus and other female genital organs	630–637		133		—		—		107		2		—		24		—
Deliveries and complications of pregnancy, childbirth, and the puerperium	**640–689**		**299**		**2**		—		**215**		**3**		—		**58**		**21**
Complications of pregnancy	640–649		105		—		—		74		1		—		24		6
Abortion	650–652		57		—		—		32		—		—		16		9
Delivery without mention of complication	660		4		—		—		4		—		—		—		—
Delivery with specified complication	670–678		82		1		—		70		1		—		7		3
Complications of the puerperium	680–689		51		1		—		35		1		—		11		3
Diseases of the skin and cellular tissue	**690–716**	**161**	**248**	**8**	**24**	**1**	—	**103**	**163**	**1**	**9**	**5**	**6**	**43**	**43**	—	**3**
Infections of skin and subcutaneous tissue	690–698	61	90	7	18	—	—	40	58	—	4	3	1	11	8	—	1
Other diseases of skin and subcutaneous tissue	700–716	100	158	1	6	1	—	63	105	1	5	2	5	32	35	—	2
Diseases of the bones and organs of movement	**720–749**	**672**	**1,382**	**11**	**23**	—	—	**397**	**758**	**9**	**67**	**24**	**81**	**227**	**432**	**4**	**21**
Arthritis and rheumatism, except rheumatic fever	720–727	356	1,059	4	6	—	—	203	551	4	56	14	66	129	361	2	19
Osteomyelitis and other diseases of bone and joint	730–738	158	204	2	14	—	—	115	135	1	7	7	13	33	35	—	—
Other diseases of musculoskeletal system	740–749	158	119	5	3	—	—	79	72	4	4	3	2	65	36	2	2
Congenital malformations	**750–759**	**2,836**	**2,590**	**40**	**38**	**4**	**5**	**2,320**	**2,061**	**28**	**36**	**6**	**14**	**387**	**387**	**51**	**49**
Certain diseases of early infancy	**760–776**	**5,862**	**3,833**	**4**	**7**	—	—	**5,417**	**3,519**	**79**	**48**	**3**	**3**	**303**	**205**	**56**	**51**
Birth injuries, asphyxia, and infections of the newborn	760–769	3,465	2,181	2	3	—	—	3,146	1,946	53	27	2	2	223	165	39	38
Other diseases peculiar to early infancy	770–776	2,397	1,652	2	4	—	—	2,271	1,573	26	21	1	1	80	40	17	13
Symptoms, senility, and ill-defined conditions	**780–795**	**2,281**	**4,476**	**77**	**231**	—	**2**	**779**	**1,282**	**44**	**220**	**200**	**503**	**1,114**	**2,105**	**67**	**133**
Symptoms referable to systems or organs	780–789	81	83	2	—	—	—	44	39	1	5	2	3	25	31	7	5
Senility and ill-defined diseases	790–795	2,200	4,393	75	231	—	2	735	1,243	43	215	198	500	1,089	2,074	60	128

Table CXLI—*continued*

Cause of death	ICD No.	Total deaths		Psychiatric hospitals				Other hospitals and institutions for the care of the sick				Other institutions		At deceased person's own home		In other private houses and other places	
				N.H.S.		Other than N.H.S.		N.H.S.		Other than N.H.S.							
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Accidents, poisonings, and violence (external cause)	E800–E999	**13,812**	**10,085**	**197**	**235**	**6**	**3**	**5,848**	**5,258**	**57**	**95**	**74**	**64**	**3,208**	**2,972**	**4,422**	**1,458**
Railway accidents	E800–E802	209	22	—	—	—	—	64	7	—	—	—	—	2	1	143	14
Motor vehicle traffic accidents	E810–E825	4,451	1,779	10	7	—	—	2,732	1,168	22	12	4	—	19	11	1,664	581
Motor vehicle non-traffic accidents	E830–E835	71	5	1	—	—	—	43	2	—	—		—	3	—	24	3
Other road vehicle accidents	E840–E845	99	40	2	1	—	—	78	31	3	—	—	—	1	1	15	7
Water transport accidents	E850–E858	164	8	—	—	—	—	29	2	—	—	—	—	—	—	135	6
Aircraft accidents	E860–E866	68	12	—	—	—	—	7	3	1	—	—	—	3	—	57	9
Accidental poisoning by solid and liquid substances	E870–E888	260	313	6	—	—	—	91	108	—	3	—	—	131	174	32	28
Accidental poisoning by gases and vapours	E890–E895	562	696	—	—	—	—	68	100	2	1	2	3	403	536	87	56
Accidental falls	E900–E904	2,006	3,490	71	170	—	3	1,537	2,855	14	66	29	45	176	294	179	57
Other accidents	E910–E936	2,375	1,217	51	39	2	—	646	516	7	8	16	13	508	400	1,145	241
Complication due to non-therapeutic medical and surgical procedures	E940–E946	5	7	—	—	—	—	4	5	—	—	—	—	1	2	—	—
Therapeutic misadventure and late complications of therapeutic procedures	E950–E959	12	9	—	—	—	—	11	7	—	1	—	—	1	1	—	—
Late effects of injury and poisoning	E960–E965	138	25	11	—	1	—	68	19	3	1	1	—	48	5	6	—
Suicide and self-inflicted injury	E970–E979	3,264	2,324	45	18	3	—	419	417	3	3	19	3	1,871	1,458	904	425
Homicide and injury purposely inflicted by other persons (not in war)	E980–E985	123	138	—	—	—	—	51	18	2	—	3	—	41	89	26	31
Injury resulting from operations of war	E990–E999	5	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—

Table CXLII. Deaths by cause and sex, according to method of certification, 1962, England and Wales

Cause of death	ICD No.	Total deaths		Coroner						Certifying medical practitioner								Uncertified	
				Inquest held				Post-mortem without inquest		After post-mortem		Operation mentioned on death certificate		Other examination mentioned on death certificate		No examination mentioned			
				With post-mortem		No post-mortem													
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
All causes		285,154	272,482	12,719	7,664	3,545	2,832	39,867	26,030	26,090	20,555	4,357	4,022	163	122	197,681	210,780	732	477
Tuberculosis of respiratory system	001–008	2,101	673	111	6	15	—	358	100	244	80	20	11	4	—	1,348	476	1	—
Tuberculosis, other forms	010–019	181	133	1	1	—	—	28	23	60	56	6	3	2	2	84	48	—	—
Syphilis and its sequelae	020–029	509	313	3	3	—	—	165	128	80	39	10	3	—	1	249	139	2	—
Typhoid fever	040	2	2	1	—	—	—	1	—	—	—	—	—	—	—	—	2	—	—
Dysentery, all forms	045–048	21	7	1	1	—	—	3	—	7	1	—	—	—	—	10	5	—	—
Scarlet fever and streptococcal sore throat	050, 051	2	8	1	—	—	—	1	2	—	2	—	—	—	—	—	4	—	—
Whooping cough	056	15	9	1	—	—	—	1	—	4	1	—	—	—	—	9	8	—	—
Meningococcal infections	057	88	50	—	1	1	—	35	22	31	8	—	—	—	—	21	19	—	—
Acute poliomyelitis	080	12	6	—	—	—	—	1	2	4	—	—	—	—	—	7	4	—	—
Measles	085	20	19	—	—	—	—	3	5	5	3	—	—	—	—	12	11	—	—
Typhus and other rickettsial diseases	100–108	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Malaria	110–117	4	1	—	—	—	—	—	—	3	1	—	—	—	—	1	—	—	—
All other diseases classified as infective and parasitic	Rem. 001–138	500	495	31	14	6	1	70	57	125	121	5	3	1	—	262	299	—	—
Malignant neoplasms	140–205	54,735	46,873	232	37	46	17	2,207	1,355	6,125	4,355	2,417	2,854	136	99	43,555	38,139	17	17
Benign and unspecified neoplasms	210–239	557	687	10	9	3	2	105	153	114	181	33	52	4	1	288	289	—	—
Diabetes mellitus	260	1,330	2,481	6	8	—	1	96	132	164	279	36	34	—	—	1,024	2,024	4	3
Anaemias	290–293	579	1,101	5	4	—	—	35	64	104	155	3	1	—	1	432	874	—	2
Vascular lesions affecting central nervous system	330–334	31,673	46,624	111	39	16	14	2,157	2,921	1,679	1,872	22	7	1	—	27,657	41,717	30	54
Non-meningococcal meningitis	340	234	186	1	2	—	—	54	31	85	72	—	—	—	—	94	80	—	1
Rheumatic fever	400–402	62	44	3	—	—	—	27	11	12	15	—	1	—	—	20	17	—	—
Chronic rheumatic heart disease	410–416	2,529	4,783	27	16	7	2	492	634	345	581	27	56	—	—	1,627	3,490	4	4
Arteriosclerotic and degenerative heart disease	420–422	81,063	69,548	460	78	88	16	21,654	10,424	3,857	2,703	63	25	5	7	54,418	56,009	518	286
Other diseases of heart	430–434	6,389	8,213	25	10	7	5	300	245	438	396	4	3	—	1	5,604	7,539	11	14
Hypertension with heart disease	440–443	4,266	6,265	20	5	4	—	606	576	270	303	1	3	—	—	3,357	5,374	8	4
Hypertension without mention of heart	444–447	2,599	3,022	30	6	4	—	553	606	231	184	1	3	—	—	1,774	2,214	6	9
Influenza	480–483	1,511	1,797	11	4	—	—	153	115	53	35	—	—	—	—	1,292	1,641	2	2
Pneumonia	490–493	14,472	16,437	80	30	16	20	2,288	1,746	1,725	1,319	7	5	3	—	10,346	13,310	7	7
Bronchitis	500–502	23,351	9,942	291	9	53	3	2,351	1,037	1,406	508	10	3	—	—	19,216	8,372	24	10

Table CXLII—*continued*

Cause of death	ICD No.	Total deaths		Coroner						Certifying medical practitioner								Uncertified	
				Inquest held				Post-mortem without inquest		After post-mortem		Operation mentioned on death certificate		Other examination mentioned on death certificate		No examination mentioned			
				With post-mortem		No post-mortem													
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Ulcer of stomach and duodenum	540,541	3,095	1,597	39	16	10	3	672	345	925	442	320	127	1	—	1,127	664	1	—
Appendicitis	550–553	347	259	16	8	1	3	78	52	106	83	42	34	—	—	104	79	—	—
Intestinal obstruction and hernia	560, 561, 570	1,445	1,696	20	22	5	6	353	385	383	424	230	195	—	1	453	663	1	—
Gastritis, duodenitis, enteritis, and colitis, except diarrhoea of the newborn	543, 571, 572	1,078	1,486	19	21	1	5	203	260	251	365	65	86	—	1	537	748	2	—
Cirrhosis of liver	581	697	605	36	19	5	—	106	60	167	168	3	7	2	—	377	350	1	1
Nephritis and nephrosis	590–594	1,769	1,654	15	—	2	—	107	130	320	281	—	3	—	—	1,324	1,240	1	—
Hyperplasia of prostate	610	2,901	—	33	—	8	—	186	—	422	—	536	—	—	—	1,715	—	1	—
Complications of pregnancy, childbirth, and the puerperium	640–689	—	299	—	68	—	5	—	116	—	57	—	5	—	—	—	47	—	1
Congenital malformations	750–759	2,836	2,590	19	17	2	1	470	350	1,050	821	74	63	—	—	1,218	1,335	3	3
Birth injuries, postnatal asphyxia and atelectasis	760–762	2,798	1,739	21	17	1	2	157	105	1,370	835	2	1	—	—	1,238	774	9	5
Infections of the newborn	763–768	531	346	1	3	1	—	114	84	244	143	—	—	—	—	170	115	1	1
Other diseases peculiar to early infancy, and immaturity unqualified	769–776	2,533	1,748	5	8	2	—	48	31	608	402	—	—	—	—	1,858	1,301	12	6
Senility without mention of psychosis, ill-defined and unknown causes	780–795	2,281	4,476	29	25	9	2	25	59	13	21	—	—	—	—	2,188	4,359	17	10
All other diseases	Rem. 140–795	20,226	24,183	654	197	97	44	3,456	3,493	3,039	3,220	410	413	4	8	12,547	16,784	19	24
Motor vehicle accidents	E810–E835	4,522	1,784	3,665	1,444	849	335	1	1	1	—	—	—	—	—	3	1	5	3
All other accidents	E800–E802, E840–E962	5,855	5,838	4,069	3,505	1,495	1,905	131	164	20	20	9	21	—	—	106	213	25	10
Suicide and self-inflicted injury	E963, E970–E979	3,264	2,325	2,487	1,887	763	426	14	6	—	3	—	—	—	—	—	3	—	—
Homicide and operations of war	E964, E965, E980–E999	171	138	131	124	28	14	2	—	—	—	1	—	—	—	9	—	—	—

Mortality analysis by method of certification

Table CXLII shows the numbers of deaths in 1962 for 46 groups of diseases, according to whether certified by coroner or medical practitioner or uncertified, and whether post-mortem, operation, or other examination was taken into account.

The percentage of total deaths in which a post-mortem was performed in 1962 and some previous years is as follows:

	1954	1960	1961	1962
(*a*) Certified by coroner				
Inquest held with post-mortem ..	3·3	3·2	3·5	3·7
Post-mortem without inquest ..	8·3	10·8	11·1	11·8
(*b*) Certified by medical practitioner				
After post-mortem	9·1	7·9	8·3	8·4
Total with post-mortem	20·7	21·9	22·9	23·9

These figures show that there has been an increase in the percentage of death certificates based on autopsy findings since 1954, due mainly to the larger number of coroners' post-mortems.

A higher proportion of infant deaths is followed by autopsy examination than of deaths in other age-groups. The trend in recent years has been as follows:

	1960	1961	1962
Percentage of deaths of children aged under 1 year where autopsy was performed	47	51	52

Therapeutic misadventures

From the statement of the certifying doctor on a deceased patient's death certificate, or from subsequent enquiries, it may be considered that the treatment was in some way responsible for the untimely death. It may only have accelerated death, or have been partly and jointly responsible; it may on the other hand, have been the principal cause of death, in the absence of which the patient would have recovered from his illness or injuries. All degrees of responsibility are included under the heading therapeutic misadventure.

Therapeutic misadventures are divided into four main types, the number in each since 1954 being as follows:

Fatal misadventures due to:	Number of deaths				
	1954–56 (annual average)	1957–58 (annual average)	1959–60 (annual average)	1961	1962
(i) adverse reaction to drug or therapy	101	132	143	188	220
(ii) mistake in drug administered	4	2	2	2	—
(iii) overdose of drug	96	100	122	117	157
(iv) accident in technique ..	30	54	64	110	96

The sharp increase in 1961 in deaths for which there was mention of accidents in technique was commented on last year. Although slightly fewer in 1962, the numbers remained high and there is further comment on these accidents on page 275.

In the ordinary course of events these misadventures are not coded and tabulated as the cause of death. By international agreement the underlying cause is selected for the main tabulation of deaths, that is to say, the disease or injury which initiated the train of morbid events leading directly to death. Since this is the objective kept in mind in the design of the medical certificate of death, by the certifying doctor, and during the coding of cause of death, it is likely that greater detail and completeness will be obtained for the underlying cause than for other relevant factors in the train of events leading to death.

Adverse reaction to drug or therapy

The number of deaths classed as therapeutic misadventure due to adverse reaction to drugs (including some other forms of therapy) has increased, as shown in the table above. Details of individual drugs mentioned are set out in Table CXLIII.

Table CXLIII. Fatal therapeutic misadventures due to adverse reaction to drug or therapy, 1962, England and Wales

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Achromycin ..	1	Respiratory moniliasis	
Adrenaline ..	1	Cardiac fibrillation	
Amethopterin ..	1	Agranulocytosis	Bronchopneumonia
Amidopyrine ..	2	Agranulocytosis	Bronchopneumonia (1 case)
Aminochloram-bucil	1	Agranulocytosis	Bronchopneumonia
Antibiotics ..	2		
	1	Hepatitis	Massive haemorrhage
	1	Staphylococcal enteritis	
Anticoagulant ..	4		
	1	Gastro-intestinal haemorrhage	
	1	Intestinal haemorrhage	Heart failure
	1	Intra-abdominal haemorrhage	
	1	Retroperitoneal haemorrhage	
Apomorphine ..	1	Coma and convulsions	Cerebral anoxia
Aspirin	5		
	1	Acute gastric ulcer	Gastric haemorrhage
	1	Acute peptic ulceration	Haematemesis
	1	Gastric ulcer	Bleeding peptic ulcer
	1	Gastro-intestinal bleeding	Basilar thrombosis
	1	Haematemesis	Leaking aortic aneurysm
Barbiturate ..	1	Aplasia of bone marrow	Bronchopneumonia
Butazolidin ..	7		
	1	Agranulocytosis	
	4	Aplastic anaemia	Carcinoma of bladder (1 case) Lobar pneumonia (1 case) Pneumonia (1 case)
	1	Purpuric drug eruption	Bronchopneumonia
	1	Thrombocytopenia	Cerebral haemorrhage
Calciferol ..	1	Nephrocalcinosis	Cardiac failure

Table CXLIII—*continued*

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Chloramphenicol	7		
	6	Aplastic anaemia	Cerebral haemorrhage (1 case) Confluent bronchopneumonia (1 case) Emphysema (1 case)
	1	Panhaemocytopenia	
Chloramphenicol and nitrofurantoin	1	Aplastic anaemia	Cerebral haemorrhage
Chloromycetin	5		
	3	Aplastic anaemia	
	1	Bone marrow aplasia	Generalised purpura
	1	Hypoplastic anaemia with pancytopenia	Extensive internal haemorrhage
Chloromycetin and other antibiotics ..	1	Aplastic anaemia	
Chlorpromazine and promethazine hydrochloride ..	1	Agranulocytosis	
Cobalt	1	Haemorrhage from bladder	Cardiac failure
Cocaine ..	1	Respiratory failure	
Colchicine ..	1	Acute colchicine intoxication	
Corticosteroids..	29		
	1	Acute gastric haemorrhage	
	1	Acute urinary infection	Adrenal failure
	1	Adrenal atrophy	Bronchopneumonia
	1	Adrenal cortex failure	Peripheral circulatory failure
	1	Adrenal cortical failure	Bronchopneumonia
	1	Adrenal cortical insufficiency	Septicaemia
	2	Adrenal failure	
	1	Cystitis and enteritis	Uraemia
	1	Duodenal ulcer	Internal haemorrhage
	1	Gangrene of legs	Bronchopneumonia
	2	Gastric erosion	Intestinal haemorrhage (1 case) Marasmus (1 case)
	1	Gastric ulcer	Gastric haemorrhage
	1	Gastroduodenal ulcer	Massive haemorrhage
	1	Haematemesis	Bronchopneumonia
	1	Haemolytic anaemia	Adrenal failure
	1	Haemorrhage from gastric erosions	
	1	Lung abscess	
	1	Myocardial degeneration	
	1	Perforated colon	Generalised peritonitis
	1	Perforation large gut	Pulmonary embolism
	1	Perforation of acute gastric ulcer	Acute general peritonitis
	1	Perforation of sigmoid colon	Peritonitis
	1	Perforation of stomach	Acute peritonitis
	1	Pyogenic arthropathy	Rheumatoid arthritis
	1	Recurrent gastric ulcer	Haematemesis
	1	Renal hepatic splenic abscesses	
	1	Steroid withdrawal	
Cortisone ..	6		
	1	Acute gastric ulcer	Peritonitis
	1	Agranulocytosis	General debility
	1	Gastric and duodenal ulceration	Internal haemorrhage
	1	Peptic ulcer	Haematemesis

Table CXLIII—*continued*

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Cortisone—*continued*	1	Perforation of bowel	
	1	Pneumonia	
Cortisone and aspirin ..	1	Gastro-intestinal bleeding	Toxaemia
Cyclophosphamide	2		
	1	Agranulocytosis	Chronic pneumonia
	1	Toxaemia	Sarcoma of right axillary glands
Dexadrine ..	1	Agranulocytosis	
Digoxin ..	1	Pulmonary embolism	
Dindevan ..	8		
	1	Acute tubular necrosis of the kidneys and ex-foliative dermatitis	
	1	Cerebellar haemorrhage	
	3	Haemorrhage	Influenza (1 case) Myocardial infarction (1 case)
	1	Mesenteric haemorrhage	Cardiac failure
	1	Multiple haemorrhages	
	1	Ruptured splenic haematoma	Haemoperitoneum
Dindevan and Heparin ..	1	Anticoagulant reaction	
Electro-convulsive therapy ..	3		
	1	Acute cardiac arrest	
	1	Essential hypertension	Subacute myocarditis
	1	Therapeutic convulsion	Respiratory paralysis
Epanutin and phenobarbitone	2		
	1	Aplastic anaemia	
	1	Coma	Pulmonary embolism
Hypaque ..	2		
	1	Anaphylactic shock	
	1	Toxic damage to spinal cord	
Imferon ..	1	Pelvic venous thrombosis	Pulmonary embolism
Insulin	1	Cerebral necrosis	Hypoglycaemia
Inversine ..	1	Paralytic ileus	
Largactil ..	3		
	1	Agranulocytosis	Bronchopneumonia
	1	Autonomic imbalance, paralytic ileus	
	1	Obstructive jaundice	Hepatic failure
Largactil and barbiturate ..	1	Personal synergism	Anoxia and cardiac failure
Leukeran ..	1	Agranulocytosis	
Librium ..	2		
	1	Aplastic anaemia	Gastro-intestinal haemorrhage
	1	Toxic hepatitis	
Mepacrine, prednisone and ACTH ..	1	Aplastic anaemia	Systema lupus erythematosus
Methylthiouracil	1	Agranulocytosis	Pneumonia
Mustine ..	1	Intra-abdominal bleeding	Circulatory failure
Mustine hydrochloride ..	1	Pancytopenia	Cerebral haemorrhage
Myleran ..	2	Aplastic anaemia	Haemopericardium (1 case)
Myocrisin ..	1	Aplastic anaemia	

Table CXLIII—*continued*

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Nardil	3		
	1	Acute hepatic failure	
	1	Acute yellow atrophy of liver	Hepatic failure
	1	Centrilabular necrosis of liver	
Nitrogen mustard	1	Agranulocytosis	Bronchopneumonia
Para-amino-salicylic acid ..	1	Toxic hepatic necrosis	Hepatic failure
Penicillin ..	1	Ex-foliative dermatitis	
Phenelzine and Nardil ..	1	Cerebral oedema	
Phenicol ..	1	Aplastic anaemia	
Phenindione ..	7		
	1	Acute melaena	
	1	Agranulocytosis	Pneumonia
	1	General internal haemorrhage	
	2	Haematuria	Asphyxia (1 case) Intracerebral haemorrhage (1 case)
	1	Haemorrhage from chronic duodenal ulcer	
	1	Haemorrhage from intestines	
Phenylbutazone	3		
	1	Aplastic anaemia	
	1	Bone marrow damage	Thrombocytopenic purpura
	1	Secondary thrombocytopenic purpura	Cerebellar haemorrhage
Physeptone ..	1	Stercoral ulcer	Acute proctocolitis
Prednisone ..	3		
	1	Acute adrenal failure	
	1	Agranulocytosis	Bronchopneumonia
	1	Haemorrhagic colitis	Thrombocytopenic purpura
Prednisone and Endoxan ..	1	Agranulocytosis	Bronchopneumonia
Prnednisoe and mercaptopurine	1	Agranulocytosis	General debilitation
Puri-Nethol ..	1	Lymphoblastic agranulocytosis	Acute leukaemia
Pycamisan and streptomycin..	1	Hypoplastic anaemia	Leukaemia
Radiation ..	39		
	1	Abdominal irradiation	Pancytopenia
	1	Agranulocytic aplastic anaemia	
	1	Aplastic anaemia	
	1	Bronchiectasis	Hypostatic congestion of lungs
	1	Fibrosis and stricture	Small bowel insufficiency
	1	Fibrosis of lungs	Cor pulmonale

Table CXLIII—*continued*

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Radiation—*continued*	1	Hypopituitarism and hypothyroidism	Bronchopneumonia
	1	Irradiation carcinoma of cervix	Post operative ulceration
	1	Irradiation fibrosis of bladder	Acute pulmonary oedema
	1	Irradiation fibrosis of lung	Haemorrhage
	1	Irradiation of pituitary tumour	Bronchopneumonia
	1	Massive post irradiation necrosis of sacral area	Secondary carcinomatosis
	1	Oesophageal stricture	Bronchopneumonia
	1	Paraplegia	Bronchopneumonia
	1	Perichondritis of larynx	
	1	Post irradiation chest wall fibrosis	Circulatory failure
	1	Post irradiation faecal fistula	Uraemia
	1	Post radiation fibrosis of lungs	Coronary thrombosis
	1	Post radiation nephritis	Pain of exhaustion
	1	Post radiation steatorrhoea	
	4	Pulmonary fibrosis	Bronchopneumonia (1 case) Cardiac failure (1 case) Congestive heart failure (1 case) Right heart failure (1 case)
	1	Radiation chondritis	Acute tracheobronchitis
	1	Radiation fibrosis	Intestinal obstruction
	1	Radiation fibrosis of bladder	Bronchopneumonia
	1	Radiation fibrosis of lungs	Bronchopneumonia
	1	Radiation necrosis, ulceration perineum	Carcinomatosis
	2	Radiation nephritis	Coronary thrombosis (1 case) Uraemia (1 case)
	1	Radiation pneumonitis	Pulmonary oedema and consolidation
	1	Radiation proctitis	Congestive cardiac failure
	1	Radiation reaction	
	1	Radiation sickness	Malignant cachexia
	1	Radiation ulcer	Toxaemia
	1	Radio necrosis of right tonsillar area	
	1	Vesico-rectal fistula	Secondary haemorrhage
	1	X-ray burn of neck	Carcinoma of tongue
Radium ..	1	Radium necrosis	Vesicovaginal fistula
Salazopyrin ..	2		
	1	Agranulocytosis	
	1	Aplastic anaemia	
Salicylate	4		
	1	Gastro-enteritis	
	1	Haematemesis	Cerebral artherosclerosis
	1	Multiple gastric bleeding	Haematemesis
	1	Tubercular degeneration of kidneys	Left ventricular failure
Sodium Amytal	1	Aplastic anaemia	
Stemetil ..	1	Aplastic anaemia	
Streptomycin and pyridoxine ..	1	Pancytopenia	
Sulphadiazine and Daraprim	1	Aplastic anaemia	Cerebral haemorrhage
Tanderil.. ..	2		
	1	Hepatic coma	Agranulocytosis
	1	Thrombocytopenic purpura	Cerebral haemorrhage
T.E.M.	1	Aplastic anaemia	

Table CXLIII—*continued*

Drug or therapy	No. of cases	Nature of adverse reaction	Terminal complication if different from preceding column
Thiotepa ..	4		
	2	Agranulocytosis	Bronchopneumonia (2 cases)
	1	Anaemia	Acute congestive cardiac failure
	1	Myelofibrosis	Haemorrhage
Tolbutamide ..	2	Aplastic anaemia	Peripheral circulatory failure (1 case)
Transfusion ..	8		
	1	Acute serum hepatitis	
	1	Fulminating serum hepatitis	Hepatic failure
	1	Hepatitis	
	1	Homologous serum jaundice	Hepatic coma
	3	Serum hepatitis	Bilateral lobar pneumonia (1 case) Hepatoma (1 case) Liver failure (1 case)
	1	Serum reaction	Anaphylactoid shock
Tretamine ..	1	Aplastic anaemia	Haemorrhage
Veganin ..	1	Gastric erosion	Haematemesis
Warfarin ..	1	Mesenteric haemorrhage	Shock
Other drugs and therapy ..	6		
Analgesics ..	1	Aplastic anaemia	Acute haemorrhagic colitis
Anti-epileptic drugs ..	1	Agranulocytosis	Haemorrhagic broncho-pneumonia
Liniment ..	1	Urticaria	Bronchitis
Radio-opaque substance	1	Circulatory failure	
Drug unknown	2		
	1	Acute yellow atrophy of the liver	
	1	Hepatic failure	Hepatic coma
Total ..	**220**		

There are some drugs for which the frequency of their mention has declined, two examples being insulin and penicillin. The number of reports of misadventure in recent years has been:

	1957 and 1958*	1959	1960	1961	1962
Insulin	16	8	4	1	1
Penicillin	8	2½†	2	2½†	1

It is unlikely that the amount of insulin in use has declined, but penicillin may have been replaced by other antibiotics to some extent.

* The number quoted is the combined total for the two years 1957 and 1958.

† If two drugs, or other forms of therapeutic misadventure, are reported as being jointly responsible for the immediate causation of death, each is counted as one-half in assessing comparative results.

The groups of drugs showing increased numbers of deaths include:

(1) **Corticosteroids** (A.C.T.H. and synthetic sex hormones)

This group is reported in seven times as many deaths as four years ago. The nature of the adverse effects recorded were:

	1957 and 1958	1959	1960	1961	1962
Adrenal (cortical) failure ..	0	3	5	5	8
Erosion and haemorrhage from stomach and bowel	1	2	2	2	11
Perforation of stomach or bowel	1	3	1	3	8
Abscess, septicaemia, pneumonia and other infection	2	0	0	3	5

Other classical complications appeared only rarely—osteoporosis 1, diabetes 1, pancreatitis 2, oedema, pulmonary oedema and uraemia 5, anaemia 4, agranulocytosis 1, during the six years.

(2) **Anti-cancer and anti-leukaemia drugs**

The number of deaths reported has increased six-fold in four years. Some of the newer drugs (cyclophosphamide, mercaptopurin and methotrexate) naturally have produced deaths only in the later years:

	1957 and 1958	1959	1960	1961	1962
Nitrogen mustard	3	1	1	1	1
Mustine	0	0	1	0	2
Busulphan	1	1½	1	0	2
Chlorambucil	1	0	3	0	2
Phenylhydrazine	1	0	1	0	0
Thiotepa	0	1	2	4¼	4
Triethanomelamine ..	1	0	3	0	2
Methotrexate	0	0	0	1	1
Cyclophosphamide ..	0	0	0	1¼	2½
Mercaptopurin	0	0	0	0	1½
Actinomycin	0	0	0	1	0
Urethane	0	0	0	1	0

It would be useful to have some knowledge of the amount of these and other drugs used, but in the absence of full information on the quantities of drugs used in the community, some guidance can be obtained from the sampling of general practitioners' prescriptions in the National Health Service. The percentage that a few of the groups of drugs bears to the total number of prescriptions sampled during the past six years has been:

	1957	1958	1959	1960*	1961	1962
Antibiotics	7·2	8·0	8·9		8·2	9·2
Barbiturates	7·1	7·0	6·7		7·4	8·0
Corticosteroids, Hormones (except insulin or sex hormones)	2·5	3·0	3·7		3·5	3·8
Hypotensives	1·2	1·1	1·0		1·1	1·2

* Not available.

These figures take no account of changes in the amount of drug prescribed, following the increased prescription charges in 1961, nor do they include drugs issued by hospitals or obtained by private purchase.

Table CXLIV. Therapeutic misadventures, summary of adverse reactions to drugs and therapy, 1957 to 1962, England and Wales

Drug or therapy	1957 and 1958*	1959	1960	1961	1962
Anaesthetic agents†	10	4	—	4	1
Analgesics	8	1	3½	4	15½
Antibiotics n.e.c.	36	12½	13	22½	19½
Anti-tuberculosis	3	2½	½	1½	1½
Anti-convulsant	4	2	2	1	2
Anti-coagulant	9½	13	10	20	21
Anti-cancer, -leukaemia	7	3½	12	9½	18
Anti-rheumatic	6	4	8	5½	14
Barbiturates and other hypnotics	3½	1	—	6½	3½
Corticosteroids and related drugs	11½	13	16½	28	40
Contrast media†	3	2	1	3	3
Diuretics	4	1	3	2½	—
Endocrine, hormones, nutritional and metabolic agents	23	13	7	6½	8
Hypotensives	4½	1	½	—	1
Metals and compounds	9	2	2	3½	1
Psychiatric, tranquillizers	18	9	8½	5½	10
Radiation (radio-active substances and X-rays)†	42½	32	43	46	41
Sulphonamides	10½	2	3	3	2½
Transfusions†	21	6½	7½	6	8
Mixed responsibility	3	—	—	2	—
Drug n.e.c.	7	3	—	3½	4½
Drug unknown	5	—	5	1	2
Electro-convulsive therapy†	11	8	1	3	3
Other procedures	5	—	—	—	—
Total	**265**	**136**	**147**	**188**	**220**

* Combined total for the two years.
† These are also considered under " Accidents of Technique ".

Overdose of drug

There were 157 deaths due to overdose of drugs in 1962 compared with 117 in both 1961 and 1960. Barbiturates alone or in combination with other drugs were mentioned in 80 per cent of the cases. On the other hand, phenothiazones were associated with only six deaths, in four of which it was combined with a sedative or stimulant.

Table CXLV. Fatal therapeutic misadventures due to overdose of drug, 1962, England and Wales

Drug or combination of drugs	Cases		
	Medically administered	Self administered	Administration not stated
Alkali	—	—	1
Amylobarbitone	—	2	1
Amylobarbitone and quinalbarbitone	—	1	—
Amytal	—	3	6
Anticoagulant	—	—	1
Aspirin	—	4	4
Aspirin and Sodium Amytal	—	—	1
Barbitone sodium	—	—	1
Barbiturate	—	3	5
Barbiturate and alcohol	—	1	—
Bidormal	—	1	—
Butobarbitone	—	1	—
Carbrital	—	3	6
Carbrital and alcohol	—	1	—
Chloral hydrate, Beplete Elixir and Welldorm	—	1	—
Cyclobarbiturate	—	2	1
Easton's Tablets	—	—	1
Epanutin and phenobarbitone	—	1	—
Imipramine and phenelzine	—	—	1
Insulin	—	1	1
Largactil	—	—	1
Largactil and phenobarbitone	—	—	1
Lobak	—	—	1
Lysergic acid diethylamide	1	—	—
Morphine	1	—	—
Morphine and barbiturate	—	—	1
Nembutal	—	3	7
Nembutal and alcohol	—	3	—
Nembutal, Stelazine and Marplan	—	—	1
Nupercaine	—	1	—
Parstelin	—	1	—
Pentobarbitone and carbromal	—	1	—
Phenobarbitone	—	4	2
Phenobarbitone and alcohol	—	2	—
Phenobarbitone and pentobarbitone	—	—	1
Phenobarbitone, carbromal and alcohol	—	1	—
Promazine hydrochloride	—	—	1
Quinalbarbitone	—	1	—
Quinine	—	—	1
Salicylate	—	1	—
Saridone and phenacetin	—	—	1
Seconal	—	1	2
Seconal and alcohol	—	1	—
Seconal and aspirin	—	—	1
Seconal sodium	—	—	1
Serensil	—	—	1
Sodium Amytal	—	5	12
Sodium Amytal and alcohol	—	3	—
Sodium Amytal and tofranil	—	—	1
Soneryl	—	2	7
Soneryl and alcohol	—	2	—
Soneryl and aspirin	—	—	1
Tedral	—	—	1
Tofranil	—	—	1
Tuinal	—	5	12
Tuinal and phenobarbitone	—	—	1
Tuinal and Physeptone	—	1	—
Welldorm, Parnate and Stelazine	—	1	—
Not stated	—	1	1
Total	**2**	**65**	**90**

Table CXLVI. Fatal therapeutic misadventures due to mistake in drug administration 1962, England and Wales

Therapeutic misadventure associated with	Nature of misadventure
—	—

Table CXLVII. Fatal therapeutic misadventures due to accident in technique, 1962, England and Wales

Therapeutic misadventure associated with		Nature of misadventure
Air embolism	9 cases	Air embolism, blood transfusion during operation for removal of carcinoma of lung. Air embolism during partial hepatectomy for carcinomatosis. Air embolism following operation for malignant cerebral glioma. Air embolism, left cerebral astrocytoma caused entry of air into a vein, intravaneous infusion. Air embolism, operative repair, atrial septal defect. Air embolism, pulmonary valve stenosis. Air embolism, thoracoplasty. Anaphylactic shock due to penicillin injection. Injection of air. Bronchopneumonia, cerebral air embolism, operation for removal of angioma of cerebellum.
Anaesthesia	1 case	Respiratory paralysis, poisoning by ether.
Apparatus	3 cases	Asphyxia due to inhalation of stomach contents, and coronary thrombosis, whilst being fed through nose by tube. Deceased appeared to have pulled out tube. Mediastinal emphysema, bilateral pneumothorax following the introduction of oxygen into the lungs during anaesthesia for forceps delivery. All valves of anaesthetic machine closed, bronchial tube ruptured. Respiratory failure due to anoxia due to the kinking of an endotracheal tube in the course of an operation.
Infection	6 cases	Acute staphylococcal arthritis following cortisone injection into the right knee joint. Bacterial endocarditis sepsis following operation for insertion of prosthesis, pathological fracture of right femur. Purulent meningitis following insertion of yttrium needles in pituitary fossa for prostatic carcinoma with bone metastases. Rupture of abdominal aorta due to septic aortitis due to staphylococcal infection of a peri-aortic haematoma consequent on operation of aortography. Septicaemia following lumbar puncture. Toxaemia due to gas gangrene following intramuscular injection of Imferon.
Injection	1 case	Haemopericardium following intracardiac injection for collapse during aspiration of chronic empyema.

Table CXLVII—*continued*

Therapeutic misadventure associated with		Nature of misadventure
Needling	6 cases	Acute lobar pneumonia accelerated by pulmonary haemorrhage complicating an operation of pleural aspiration, puncture of lung. Acute myocardial failure, abrasion of pericardial surface of heart, therapeutic aspiration needle. Haemopericardium due to perforation of the right ventricle during paracentesis for pericardial effusion. Haemopericardium due to puncture of the heart during sternum puncture. Retroperitoneal haematoma following therapeutic pleural tap for pleural effusion and recurrent pulmonary infarctions. Right haemothorax due to rupture of aorta following insertion of needle for performance of aortogram associated with atheroma of aorta.
Operative		
Angiography	1 case	Cardiac arrest, haemorrhage from carotid artery during carotid angiography.
Biopsy	5 cases	Acute cardiac failure due to respiratory obstruction as a consequence of haemorrhage into trachea from site of biopsy of left bronchus. Aplastic anaemia precipitated by haemorrhage following needle biopsy. Congestive cardiac failure due to adherent pericardium and chronic bronchiectasis accelerated by intraperitoneal haemorrhage, caused by obtaining a needle biopsy of the liver. Intrathoracic haemorrhage following liver puncture, needle biopsy. Peritonitis, perforation of the colon during the course of a biopsy.
Bronchoscopy	5 cases	Cerebral infarction following cardiac arrest due to haemorrhage following bronchoscopy. Haemorrhage following cutting of pulmonary artery, bronchoscopy. Haemorrhage, perforation of a branch of the right pulmonary vein during bronchoscopy and biospy. Pulmonary haemorrhage during bronchoscopy. Pulmonary haemorrhage in the course of bronchoscopy and biopsy.
Cholecystectomy	1 case	Haemorrhage following cholecystectomy for gall stones.
Gastrectomy	3 cases	Biliary peritonitis following gastrectomy, injury to common bile duct. Congestive heart failure, anaemia, following gastrectomy operation for peptic ulcer. Recurrent gastro-intestinal haemorrhage following partial gastrectomy.
Gastroscopy	2 cases	Bronchopneumonia and abscess of lungs due to paroesophageal abscess due to gastroscopy Endocarditis and mediastinitis due to oesophageal leakage, damage to oesophagus during gastroscopy.
Laparotomy	2 cases	Congestive cardiac failure, myocardial fibrosis, and laparotomy for acute pancreatitis. Pulmonary embolus, laparotomy.
Nephrectomy	1 case	Haemorrhage, laceration of renal artery sustained during nephrectomy.

Table CXLVII—*continued*

Therapeutic misadventure associated with	Nature of misadventure
Operative—*continued*	
Oesophagoscopy 16 cases	Acute pulmonary embolism, acute mediastinitis and pericarditis, perforation of the oesophagus, oesophagoscopy. Asphyxia due to perforated oesophagus. Operation for blockage of oesophagus. Cardiac failure due to peripheral vascular failure due to oesophageal perforation. Instrumental dilatation of oesophageal stricture. Collapse of left lung, rupture of oesophagus during operation. General peritonitis following instrumental perforation of a benign oesophageal stricture. Generalised peritonitis, laceration of oesophagus and diaphragm during oesophagoscopy. Haemorrhage, perforation of the aorta complicating an operation of dilatation of an oesophagus stricture. Left empyema, oesophageal perforation, oesophagoscopy. Mediastinal abscess due to perforation of oesophagus due to oesophagoscopy. Mediastinitis, traumatic perforation of achalasic oesophagus. Perforation of carcinoma of the oesophagus by a Souttar's tube (2 cases). Peritonitis, perforation of the lower end of the oesophagus by a plastic tube inserted to overcome an obstruction by a simple stricture ten centimetres above this level. Pulmonary embolism due to phlebothrombosis of popliteal vein in consequence of perforation of oesophagus during oesophagoscopy for removal of foreign body swallowed. Respiratory failure, haemorrhage and retention of bronchial secretions, perforation of oesophagus during oesophagoscopy. Ruptured oesophagus, insertion of Porge's tube.
Prostatectomy 1 case	Coronary thrombosis, perforation prostatic bed, trans urethral prostatectomy.
Sigmoidoscopy 2 cases	Bronchopneumonia, intestinal ileus, pelvic peritonitis; bowel perforated during sigmoidoscopy. Bronchopneumonia, peritonitis; perforation rectum during sigmoidoscopy.
Tracheostomy 1 case	Vagal inhibition due to the inhalation of blood, vein severed, tracheostomy.
Tracheotomy 2 cases	Bilateral pneumothorax from surgical emphysema following tracheotomy. Ulcerated tracheobronchitis and hepatic necrosis due to tracheotomy.
Turbinectomy 1 case	Vagal inhibition due to aspiration of blood following removal of adenoids and turbinectomy.
Vagotomy and gastro-enterostomy 1 case	Circulatory failure, tension pneumothorax; perforation of the oesophagus, vagotomy and gastro-enterostomy.
Valvotomy 1 case	Haemorrhage due to split auricle during valvotomy for mitral stenosis.
Ventriculography 1 case	Acute purulent bronchitis and bronchopneumonia due to coma from benign intracranial hypertension and diencephalic lesion from needle track of ventriculography.

Table CXLVII—*continued*

Therapeutic misadventure associated with		Nature of misadventure
Operative—*continued*		
Miscellaneous operations	6 cases	Empyema of right pleural cavity due to perforation of oesophagus due to instrumental manipulation. Haemorrhage due to torn pulmonary artery during operation for closure of patent ductus arteriosus. Haemorrhage from aorta during operation for resection of an atheromatous abdominal aneurysm. Myocardial degeneration and general arteriosclerosis accelerated by haemorrhage into the bladder after passage of a sound to dilate a prostatic urethral stricture. Myocardial failure, coronary artherosclerosis, retroperitoneal haemorrhage, perforation of urethra at operation for dilatation of stricture. Oedema due to haemorrhage following resection of mandible (cosmetic).
Post operative		
Laryngo-pharyngec-tomy	1 case	Secondary haemorrhage from right common carotid artery (ligated), laryngopharyngectomy.
Pneumonectomy	1 case	Haemorrhage into right thoracic cavity following slipping of a ligature on a branch of the right pulmonary artery following right pneumonectomy for carcinoma of lung.
Sympathectomy	1 case	Shock and haemorrhage following puncture of bowel during stitching, operation for lumbar sympathectomy.
Miscellaneous	1 case	Dislocation of prosthetic femoral head inserted for treatment of fractured left femoral neck in course of nursing treatment.
Packs, swabs, etc.	3 cases	Empyema, thoracic and subphrenic abscess, swab in peritoneal cavity following gastrectomy. Paralytic ileus due to peritonitis caused by a swab left in the abdomen during appendicectomy. Toxaemia, psoas abscess due to foreign body, surgeon's needle in abdomen, operation on kidney thirty years ago.
Transfusion	2 cases	Shock and haemorrhage due to prostatectomy and incompatible blood transfusion. Shock, infected blood transfusion.
Miscellaneous procedures	9 cases	Bruising of upper cervical cord with subarachnoid and subdural haemorrhage due to sudden hyperextension while his neck was on traction. Fat embolism due to manipulation of limbs. General peritonitis due to accidental presence of soap solution in the peritoneum during treatment for injuries sustained in road accident. Myocardial fibrosis and failure, partial asphyxiation due to inhalation of barium to ascertain cause of pain in abdomen. Peritonitis, perforation of small intestine; examination of lining of small intestine by Crosby capsule. Pulmonary collapse due to inhalation of barium meal. Renal failure due to therapeutic hypotension given for operation for parotid tumour. Shock due to ruptured vagina due to introduction of barium emulsion. Subdural haemorrhage following air encephelography.
Total	**96 cases**	

Accident in technique

The list of therapeutic misadventures due to accidents in technique is presented in Table CXLVII in the same form as has been used in previous years. However, the interpretation of the records raises difficulties not experienced when using the underlying cause as the sole condition tabulated. There are wide divergences in the extent of responsibility which can be placed upon the misadventure—for example, rupture of a major blood vessel leading to rapid death contrasted with surgical needles left in the body and only discovered at death thirty years later; standards of reporting details in borderline cases are liable to vary; and there may also be variations in the completeness with which cases are picked out when the cause of death is being coded.

When dealing with operations and their sequelae there are often many links in the chain of causation leading finally to death. In Table CXLVIII covering the five years 1958–1962 the underlying cause concept, in which the initiating cause and the final state of death are selected as far apart as possible along the chain of events, has not been employed. Instead, the events linked as cause and effect have been chosen as close together as possible.

A few examples may be given of the application of this rule. If during the course of an operation a blood transfusion is given, and an air embolism results from the transfusion, then the transfusion and not the operation is coded as the cause of the misadventure. Anaesthetics, or any procedure commonly administered by a person other than the surgeon, or employed in a standard method for a variety of operations, are coded likewise.

By this means a wider basis of experience becomes available for assessing the dangers of these ancillary procedures. Similarly, if an organ is perforated and haemorrhage occurs leading to death, the earlier mentioned perforation is selected. Some modification of this rule is advisable with multiple stage or multi-area operations. If the mishap can be pinned down to a distinct and separate stage, the original principle can apply; but if it is specified as a part of a larger operation, e.g. leaking of a colostomy performed as part of an abdominal-perineal resection of the rectum carried out at the same time, then it is coded to the major operation, of which the colostomy is considered to be an integral part.

Before considering the summary in detail it is interesting to note how frequently trivial and apparently harmless procedures are recorded, and not only hazardous or drastic operations and treatment. This is due in part to the relatively greater number of the commonplace procedures, but it may also reflect different standards of judgment. Complications which are accepted as part of the risk of serious operations may be considered as misadventures in other operations where they occur only rarely.

Some " harmless " procedures feature regularly in the record. Among them can be mentioned perforation of the bowel after the giving of an enema, asphyxia by mismanagement of an endotracheal tube in anaesthesia and the well-known complications of blood transfusion—incompatible blood reaction, air embolism, serum hepatitis or infected blood. The number of fatalities is small, but persistent.

The various specialised branches of surgery differ considerably in their contributions to these misadventures. Some of the operations, as on the brain, which might be thought to be more dangerous, have relatively good records in

Table CXLVIII. Therapeutic misadventures due to accidents in technique, 1958 to 1962, England and Wales

G.R.O. code*	Description of operation or other procedure	Adverse reactions					
		1958	1959	1960	1961	1962	Total
	Neurosurgery	**2**	**3**	**3**	**6**	**6**	**20**
003	Cisternal puncture	—	—	—	1	—	1
005	Excision of intracranial lesion	—	2	—	2	2	6
008	Ventriculography and encephalography	1	—	—	2	2	5
010	Drainage for hydrocephalus	—	—	—	1	—	1
019	Ligation of cerebral aneurysm	—	1	1	—	—	2
024	Lumbar spinal puncture	1	—	—	—	1	2
030	Neurotomy, retrogasserian	—	—	1	—	—	1
041	Lumbar sympathectomy	—	—	—	—	1	1
043	Injection into sympathetic ganglion	—	—	1	—	—	1
	Surgery of endocrine system	**1**	**1**	—	**1**	—	**3**
071	Excision of lesion of thyroid gland	—	—	—	1	—	1
081	Adrenalectomy	1	1	—	—	—	2
	Ophthalmic operations	—	—	—	—	—	—
	Oto-rhino-laryngology	**2**	**3**	**3**	**4**	**5**	**17**
212	Turbinectomy	—	—	—	—	1	1
214	Excision of lesion of nose	1	—	—	—	—	1
231	Laryngopharyngectomy	—	—	—	—	1	1
245/6	Tracheotomy/Tracheostomy	1	3	3	3	3	13
262	Tonsillectomy	—	—	—	1	—	1
	Surgery of mouth and gullet	**14**	**5**	**9**	**19**	**17**	**64**
251	Dental extraction	—	—	1	—	—	1
259	Other dental operation n.o.s.	1	—	—	—	—	1
268	Repair of cleft palate	1	—	—	—	—	1
269	Pharyngoscopy	—	—	—	1	—	1
281	Oesophagectomy	1	—	—	1	—	2
285/6	Plastic operation on oesophagus	—	—	—	—	1	1
287	Oesophagoscopy	9	1	7	10	7	34
288	Dilatation of oesophagus	2	4	1	6	8	21
289	Other operations on oesophagus	—	—	—	1	1	2
	Thoracic surgery	**20**	**11**	**12**	**20**	**18**	**81**
304	Operations on valves of heart	1	—	1	2	3	7
305	Repair of congenital heart defect	—	1	—	1	1	3
307	Pericardiocentesis	—	2	2	2	2	8
309	Pericardiectomy	1	1	—	—	—	2
319	Cardiac catheterization or other operation on heart	1	1	1	2	—	5
320	Operation on aneurysm of thoracic aorta	1	1	—	—	—	2
329	Aortogram, thoracic	—	—	—	—	1	1
331	Thoracotomy	1	—	—	—	—	1
332	Thoracentesis	5	—	1	2	3	11
334	Other operations on chest wall	—	1	—	—	1	2
338	Bronchoscopy with biopsy	1	—	—	3	3	7
	Bronchoscopy with no mention of biopsy	2	—	1	—	3	6
339	Bronchography	1	—	—	1	—	2
340	Pneumonotomy	—	—	—	2	—	2
344	Pneumonectomy	5	4	5	5	1	20
349	Other operation on lung and pleura	1	—	—	—	—	1
352	Artificial pneumothorax	—	—	1	—	—	1

Table CXLVIII—*continued*

G.R.O. code*	Description of operation or other procedure	Adverse reactions					
		1958	1959	1960	1961	1962	Total
	Gastro-intestinal and abdominal surgery	**26**	**20**	**12**	**25**	**21**	**104**
400	Laparatomy and drainage	3	—	—	4	3	10
402	Repair of inguinal hernia	1	—	1	—	—	2
404	Repair of hiatal, ventral and unspecified hernia	1	—	1	1	—	3
406	Pneumoperitoneum	2	—	—	—	—	2
419	Other operations on abdominal wall	1	—	—	—	—	1
422	Gastrectomy, total	1	—	—	1	—	2
423	Gastrectomy, partial	—	4	2	2	4	12
427	Gastrojejunostomy	—	1	—	—	—	1
431	Pyloroplasty	1	—	—	—	—	1
432	Gastroscopy	—	—	—	—	2	2
434	Vagotomy and gastro-enterostomy	—	—	—	—	1	1
439	Other operations on stomach	1	2	—	—	—	3
441	Appendicectomy	1	2	1	2	1	7
453	Colectomy, partial	2	1	—	1	—	4
454	Excision of Meckel's diverticulum	1	—	—	—	—	1
456	Ileostomy	—	—	1	1	—	2
457	Colostomy	1	1	1	—	—	3
467	Sigmoidoscopy	3	2	1	1	3	10
469	Duodenoscopy	—	—	—	—	1	1
471	Excision of rectum	1	—	—	1	—	2
479	Enema, barium enema	1	1	2	3	1	8
483	Haemorrhoidectomy	1	—	—	—	—	1
501	Hepatectomy, partial	1	—	—	—	1	2
502	Needle biopsy of liver	1	3	2	4	3	13
515	Choledocholithotomy	—	—	—	1	—	1
519	Other operations on bile passage	—	1	—	—	—	1
520	Cholecystotomy	1	—	—	—	—	1
521	Cholecystectomy	1	2	—	2	1	6
541	Splenotomy	—	—	—	1	—	1
	Genito-urinary surgery	**5**	**4**	**4**	**4**	**5**	**22**
606	Nephrectomy	—	1	1	1	1	4
619	Kidney operation, n.o.s.	—	—	—	—	1	1
646	Cystostomy	1	—	—	—	—	1
649	Cystoscopy	—	1	1	1	—	3
659	Fulguration and other operations on bladder	2	—	—	1	—	3
667	Urethroscopy and urethrography	—	—	1	—	—	1
668	Dilatation of urethra	—	1	—	1	2	4
675	Prostatectomy, transurethral	1	—	—	—	1	2
677	Prostatectomy, n.e.c.	1	1	1	—	—	3
	Gynaecological surgery	**6**	**1**	**4**	**5**	—	**16**
702	Oophorectomy, partial	—	1	—	1	—	2
710	Fallopian insufflation	1	—	—	1	—	2
722	Hysterectomy, total	—	—	2	1	—	3
723	Hysterectomy, radical	1	—	—	—	—	1
724	Hysterectomy, vaginal	1	—	—	—	—	1
727	Hysteromyomectomy	2	—	—	—	—	2
732	Curettage of uterus	1	—	1	—	—	2
743	Colporrhaphy	—	—	1	1	—	2
749	Other operations on vagina	—	—	—	1	—	1

Table CXLVIII—*continued*

G.R.O. code*	Description of operation or other procedure	Adverse reactions					
		1958	1959	1960	1961	1962	Total
	Orthopaedic surgery	**3**	**4**	**2**	**4**	**6**	**19**
801	Resection of bone	—	—	—	—	1	1
803	Excision of lesion of bone ..	—	—	1	—	—	1
806	Reduction of fracture with fixation	1	2	—	—	1	4
811	Osteoplasty	—	1	—	—	—	1
816	Sternal puncture	—	—	—	1	1	2
825	Injection into joint	—	—	1	—	1	2
828	Excision of intravertebral cartilage	1	—	—	1	—	2
833	Manipulation of joint	—	—	—	1	1	2
838	Arthroplasty	—	—	—	—	1	1
847	Other operation for osteoarthritis..	1	—	—	—	—	1
892	Amputation of lower limb	—	1	—	1	—	2
	Operations on blood vessels and lymphatic system	**1**	**2**	**2**	**3**	**3**	**11**
903	Excision of abdominal aortic aneurysm	—	—	—	1	1	2
907	Ligation of artery, umbilical ..	—	—	—	1	—	1
909	Other operations on arteries ..	1	—	1	1	2	5
916	Ligation of vein	—	—	1	—	—	1
919	Operation on veins, n.o.s.	—	1	—	—	—	1
923	Lymphadenectomy, radical ..	—	1	—	—	—	1
	Operations on skin and subcutaneous tissues and injections	**43**	**17**	**13**	**13**	**14**	**100**
930	Drainage of skin by Southey's tubes	1	—	—	—	—	1
934	Excision of skin growth	1	—	—	—	—	1
951	Blood transfusion,						
	incompatible blood	5	4	1	—	1	11
	air embolism	1	2	1	1	1	6
	serum hepatitis	6	3	2	1	6	18
	excess amount	—	—	1	—	—	1
	infected	4	—	1	1	1	7
	n.e.c.	16	3	5	4	2	30
953	Intravenous infusion	5	1	1	6	1	14
955	Intramuscular injection	2	4	1	—	1	8
956	Subcutaneous injection	2	—	—	—	1	3
	Procedures not classified elsewhere ..	**19**	**14**	**5**	**14**	**11**	**63**
985	Electronarcosis, electroplexy (E.C.T.)	11	8	1	3	3	26
987	Catheterization of bladder ..	—	—	1	3	—	4
988	Introduction of stomach tube ..	—	—	—	1	1	2
999	Operation, n.o.s.	1	3	—	1	—	5
	Barium meal or swallow ..	—	—	—	—	2	2
	Other radio-opaque contrast media, administration n.e.c. ..	3	1	1	3	3	11
	Resuscitator, compressed oxygen	1	1	—	1	—	3
	Premature baby incubator, overheated	1	—	—	1	—	2
	Diathermy burns	1	—	—	—	—	1
	Therapeutic hypothermia ..	—	—	—	1	—	1
	Therapeutic hypotension ..	—	—	—	—	1	1
	Extracorporeal circulation ..	—	—	1	—	—	1
	Electrocution, n.o.s.	—	—	1	—	—	1
	Skeletal traction (neck)	—	—	—	—	1	1

Table CXLVIII—*continued*

G.R.O. code*	Description of operation or other procedure	Adverse reactions					
		1958	1959	1960	1961	1962	Total
	Radiotherapy	**43**	**32**	**43**	**46**	**41**	**205**
	Radio-isotopes	3	1	1	1	1	7
	Radium	3	—	1	1	1	6
	Pituitary, brain	2	—	1	1	2	6
	Nasal sinus, tonsil, neck	—	3	—	1	1	5
	Larynx	—	—	—	—	2	2
	Chest—lung and breast	11	8	10	13	11	53
	Tongue	—	—	1	—	1	2
	Oesophagus	1	—	—	—	1	2
	Ileum	—	—	—	1	—	1
	Bowel, large	—	—	—	—	1	1
	Rectum	—	—	1	—	1	2
	Pelvis	1	1	4	2	—	8
	Abdomen n.o.s.	4	2	1	5	3	15
	Kidney, bladder	3	6	2	6	5	22
	Cervix uteri, external genitals	—	1	1	—	2	4
	Spine, sacrum and other bone	2	—	2	—	2	6
	n.o.s.	13	10	18	15	7	63
	Anaesthesia	**12**	**6**	**—**	**10**	**4**	**32**
	Cinchocaine	1	—	—	—	—	1
	Cocaine	—	—	—	—	1	1
	Ether	1	—	—	—	1	2
	Lignocaine	—	—	—	2	—	2
	Nitrous oxide	—	1	—	1	—	2
	Procaine	2	1	—	—	—	3
	Scoline	—	1	—	—	—	1
	Succinylcholine chloride	—	—	—	1	—	1
	Xylocaine	—	1	—	—	—	1
	Pre-operative anaesthetic	—	—	—	1	—	1
	Spinal anaesthetic	1	—	—	—	—	1
	Intubation, attempted	—	—	—	1	—	1
	tube blocked	—	—	—	—	1	1
	left in	—	—	—	1	—	1
	pulled out	—	—	—	1	—	1
	displaced	—	—	—	1	—	1
	Machine, valves shut	—	—	—	—	1	1
	Anoxia	—	2	—	—	—	2
	Anaesthesia n.o.s.	7	—	—	1	—	8
	Total	**197**	**123**	**112**	**174**	**151**	**757**

* General Register Office. Code of Surgical Operations. H.M.S.O. London 1956.

this respect, and the small number of misadventures over the past five years in the course of often difficult operations within the female pelvis is also noteworthy. One speciality, ophthalmic surgery, has a clean sheet for the five years; and another which deals with large numbers of patients, oto-rhino-laryngology, has few misadventures apart from complications arising out of tracheostomy, often post-operative and while the patient is not under direct control of the surgeon. Only one misadventure was related to obstetric operations (instrumental delivery) and that was coded to faulty use of an anaesthetic machine.

Surgery of the heart and associated investigations lead to a variety of misadventures. A cardiac catheter can perforate the heart wall, aspiration of the pericardial or pleural fluids may lead to fatal haemorrhage from the heart

muscle, whilst the more extensive surgical procedures are endangered by friable or diseased tissues. This applies also to arteries both within the chest and in the abdomen. The apparently straightforward procedure of looking along a tube is moderately safe in bronchoscopy but a greater risk when the oesophagus is being examined. With bronchoscopy the main danger is haemorrhage, and there were equal numbers of fatalities with and without mention of biopsy; during oesophagoscopy perforation is the usual mishap, leading to death as the result either of haemorrhage or infection.

Nature of adverse reactions

The misadventures due to accidents of technique can be analysed by both the surgical procedure responsible and the nature of the adverse reaction. A summary of the findings for the two years 1961–1962 is given below.

It should be noted that counts based upon this present dual analysis will differ from those published in past years based on allocation to the one feature stressed by the certifier. Thus two operations on the heart with air embolism might have appeared in the past separately as (i) cardiac misadventure and (ii) air embolism. In addition deaths previously recorded as adverse reaction to drug or therapy have been included when they refer to anaesthetics, injections, transfusions or radiotherapy.

Rupture of a viscus or some form of puncture or penetration is one of the commonest recorded forms of misadventure, and of 68 cases during the two years 1961–1962 exactly one-half occurred in the oesophagus, and during endo-oesophageal instrumentation. Rupture of the oesophagus can also result from intra-abdominal manipulation or pharyngoscopy. Puncture of the heart or vessels also occurred following pleural aspiration, pericardial aspiration and sternal puncture, as well as during major operations.

The other region of the body where rupture of a viscus is prone to occur is in the pelvis. Sigmoidoscopy is the greatest hazard, but bladder (fulguration) and urethra (catheterisation) are also at risk.

The result of rupture is either fatal haemorrhage or infection, but these may both occur with no preceding macroscopic damage. Nearly half the 53 instances of haemorrhage were reported in thoracic surgery, either from the heart muscle or vessels in the lungs, and others occurred after surgery upon arteries elsewhere. Six cases resulted from needle biopsy of the liver and a few from trauma to brain, spine, kidney or urethra, or from failure of ligatures applied during operation.

Infection (36 cases) is an obvious hazard of rupture of the oesophagus but is rare following major surgery; sporadic cases occur with minor procedures of injection. Over half the number recorded were the result of radiation, often the end result after fibrosis or necrosis of tissue.

Of the various forms of embolism, air embolism is the most frequently recorded in this series; it may arise either during the introduction of fluids or instruments into a vein, or apparently spontaneously during the course of an operation. Heart, brain and liver are the tissues liable to this misadventure. Pulmonary embolism tends not to be looked upon as a misadventure, and has come to be classified as a disease *sui generis*; no reliance can be placed upon these data in estimating its actual occurrence. Two instances of fat embolism occurred after manipulation of joints.

A variety of articles are left behind in operation wounds; swabs are the commonest, but towels and rubber drainage tubing have been recovered and in one case a surgical needle was found 30 years after the operation.

Another characteristic group of misadventures is asphyxia by inhaling liquid —either blood from the upper respiratory tract or tracheostomy site, gastric content (usually associated with the presence of an intra-gastric tube) or barium intended for swallowing.

Local reactions, such as inflammation, necrosis, ulceration and fibrosis are most frequently the result of irradiation. Certain sites have special risks of infection—gas gangrene from the bowel, surgical emphysema from tracheostomy, bile peritonitis from damage to the bile ducts.

Live births, stillbirths and stillbirth rates by age and parity of mother and place of confinement

In England and Wales in 1962 there were 838,736 live births and 15,464 stillbirths. The tables which follow give details of the distribution of these births by place of confinement, and age and parity of mother. The categories used for place of confinement are:

N.H.S. hospital, i.e. hospitals and homes under the National Health Service, except psychiatric hospitals;

Other hospital, which are mainly maternity homes not under the National Health Service;

At home, i.e. at the usual place of residence of the mother;

Other places of confinement which include all psychiatric institutions, homes for unmarried mothers, remand homes, reception centres, private houses (other than the mother's usual residence), etc.

A set of tables is available for reference at the General Register Office showing numbers of live and still births with a breakdown as in Tables CXLIX and CLIV for individual county boroughs and administrative counties within England and Wales. A copy of these tables, or of a table for a particular area, can be obtained from the General Register Office on payment.

Table CXLIX. Births by place of confinement, 1962, England and Wales

Place of confinement	Live births	Still-births	Total births	Total births per cent by place of confinement*		Stillbirth rate per 1,000 total births*	
N.H.S. hospital ..	523,590	12,905	536,495	62·8	(62·3)	24·1	(25·2)
Other hospital ..	26,428	225	26,653	3·1	(3·3)	8·4	(9·8)
At home	272,273	2,117	274,390	32·1	(32·4)	7·7	(8·6)
Other	16,445	217	16,662	2·0	(2·0)	13·0	(12·3)
Total	**838,736**	**15,464**	**854,200**	**100·0**		**18·1**	**(19·0)**

* The figures in brackets are the corresponding figures for 1961.

Table CL. Live births by age and parity* of mother and place of confinement, 1962, England and Wales

Age-group	Parity of mother															
	0				1–3				4 and over				Total			
	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other
All ages ..	**273,076**	**11,750**	**47,674**	**8,161**	**212,399**	**13,590**	**197,129**	**8,012**	**38,115**	**1,088**	**27,470**	**272**	**523,590**	**26,428**	**272,273**	**16,445**
Under 25 ..	163,812	7,016	29,434	6,575	56,639	3,410	55,008	4,039	1,080	31	915	26	221,531	10,457	85,357	10,640
25–34 ..	94,839	4,334	16,409	1,492	121,718	8,353	122,848	3,737	19,161	619	16,460	176	235,718	13,306	155,717	5,405
35 and over ..	14,193	381	1,745	78	33,988	1,824	19,197	233	17,858	438	10,084	70	66,039	2,643	31,026	381
Not stated ..	232	19	86	16	54	3	76	3	16	—	11	—	302	22	173	19

* Parity in this instance means the number of previous liveborn children.

Table CLI. Stillbirths by age and parity* of mother and place of confinement, 1962, England and Wales

Age-group	Parity of mother															
	0				1–3				4 and over				Total			
	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other
All ages ..	**6,192**	**113**	**594**	**141**	**5,226**	**94**	**1,194**	**66**	**1,487**	**18**	**329**	**10**	**12,905**	**225**	**2,117**	**217**
Under 25 ..	3,256	58	349	73	995	20	224	27	27	—	4	1	4,278	78	577	101
25–34 ..	2,361	49	180	15	2,979	58	712	35	629	11	157	5	5,969	118	1,049	55
35 and over ..	550	6	45	6	1,252	16	258	4	828	7	168	3	2,630	29	471	13
Not stated ..	25	—	20	47	—	—	—	—	3	—	—	1	28	—	20	48

* Parity in this instance means the number of previous liveborn children.

Table CLII. Percentage distribution of births for each place of confinement within each age and parity* group, 1962, England and Wales

Age-group	Parity of mother															
	0				1–3				4 and over				Total			
	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other
All ages ..	**81**	**3**	**14**	**2**	**50**	**3**	**45**	**2**	**58**	**2**	**40**	—	**63**	**3**	**32**	**2**
Under 25 ..	80	3	14	3	48	3	46	3	54	1	44	1	68	3	26	3
25–34 ..	81	4	14	1	48	3	48	1	53	2	45	—	58	3	38	1
35 and over ..	87	2	11	—	63	3	34	—	63	2	35	—	66	3	31	—
Not stated ..	58	4	24	14	40	2	56	2	62	—	35	3	53	4	32	11

* Parity in this instance means the number of previous liveborn children.

Table CLIII. Stillbirth rates per 1,000 total births, by age and parity* of mother and place of confinement, 1962, England and Wales

Age-group	Parity of mother															
	0				1–3				4 and over				Total			
	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other	N.H.S. hospital	Other hospital	At home	Other
All ages ..	**22**	**10**	**12**	**17**	**24**	**7**	**6**	**8**	**38**	*16*	**12**	*35*	**24**	**8**	**8**	**13**
Under 25 ..	19	8	12	11	17	6	4	7	24	—	*4*	*37*	19	7	7	9
25–34 ..	24	11	11	*10*	24	7	6	9	32	*17*	9	*28*	25	9	7	10
35 and over ..	37	*16*	25	*71*	36	*9*	13	*17*	44	*16*	16	*41*	38	11	15	*33*
Not stated ..	97	—	189	746	—	—	—	—	*158*	—	—	*1,000*	85	—	104	716

* Parity in this instance means the number of previous liveborn children.

Table CLIV. Stillbirth rates per 1,000 total births, by parity* of mother and place of confinement, 1962, England and Wales, standard regions and Wales

Area	Parity of mother																			
	0					1–3					4 and over					Total				
	N.H.S. hospital	Other hospital	At home	Other	Total	N.H.S. hospital	Other hospital	At home	Other	Total	N.H.S. hospital	Other hospital	At home	Other	Total	N.H.S. hospital	Other hospital	At home	Other	Total
ENGLAND AND WALES	**22**	**10**	**12**	**17**	**20**	**24**	**7**	**6**	**8**	**15**	**38**	*16*	**12**	*35*	**27**	**24**	**8**	**8**	**13**	**18**
Standard regions:																				
Northern	24	*5*	18	*11*	22	26	*7*	7	*6*	17	43	*42*	12	—	28	26	*8*	10	*8*	20
East and West Ridings	22	*4*	12	*16*	20	26	*7*	*6*	*9*	16	34	—	12	*83*	25	25	*6*	8	13	18
North Western ..	24	*9*	14	*22*	22	26	*4*	6	*8*	17	42	*12*	13	*88*	29	26	*6*	8	16	20
North Midland ..	23	*9*	8	*11*	19	30	*9*	6	*9*	17	43	*19*	11	—	28	28	10	7	*10*	19
Midland	24	*7*	12	*15*	21	28	*14*	7	*6*	16	43	—	10	*54*	28	27	*10*	8	12	20
Eastern	22	*11*	10	*12*	18	26	*3*	5	*11*	13	32	*14*	*10*	—	22	24	7	6	*11*	16
London and South Eastern	19	14	13	36	19	19	*5*	5	*8*	13	31	*18*	11	*32*	25	20	10	7	24	16
Southern	21	*8*	7	*14*	18	20	9	4	*6*	12	39	*11*	*9*	—	27	22	8	5	*11*	15
South Western ..	22	*9*	17	*8*	21	21	*14*	6	*11*	14	33	*17*	16	*37*	26	23	12	9	*10*	18
Wales	28	*12*	18	*12*	26	24	*4*	9	*9*	18	35	—	16	*50*	28	27	*8*	12	*11*	22
Wales I (South East)	30	*11*	17	*9*	27	27	*4*	9	*9*	18	39	—	18	—	30	29	*8*	11	*9*	23
Wales II (remainder)	22	*30*	*29*	*43*	23	19	—	*11*	*10*	17	29	—	*9*	*125*	24	22	*14*	12	*26*	20

* Parity in this instance means the number of previous liveborn children.

UNITED KINGDOM

Vital Statistics

Table A1 of Part II of this *Review* shows the population of Great Britain at each census beginning with that of 1801 and of Great Britain and Ireland combined since the first census was taken in Ireland in 1821, together with figures for England and Wales, Scotland and Northern Ireland (as well as those for the Irish Republic). This table also gives the population estimated for each mid-year from 1931.

Table W(*a*) of Part II includes estimates of the *home* population both for the United Kingdom and separately for Great Britain, England, Wales, Scotland and Northern Ireland, together with live birth, death, infant mortality and marriage rates for 1962. Final 1961 Census data have made possible certain revisions of Table W(*a*) figures since the 1962 Part II was published and Table CLV uses these revised figures in the comparison which it makes with 1938, 1961 and three five-year periods (1946–50, 1951–55 and 1956–60). For death rates the comparison is with 1931–38 instead of 1938 alone for the reason given in footnote (4) to the table.

References to the United Kingdom, Northern Ireland, etc., relate throughout to the areas now so named.

Population

The home population of the United Kingdom of Great Britain and Northern Ireland at mid-1962 was estimated to be 53·34 millions, compared with 52·82 millions at mid-1961. This represents an increase of 520,000 persons in a single year, compared with intercensal increases averaging 245,000 a year between 1951 and 1961. These total United Kingdom changes, however, veil substantial differences in the amount and proportion by which population increased in England (which because of its size dominates the changes in England and Wales, Great Britain and the United Kingdom as a whole) on the one hand and Wales, Scotland and Northern Ireland on the other. Such differences (with the Irish Republic also taken into account) were examined in detail in the 1961 Commentary (pages 301–303) against the long-term background there set out as Table CLII on page 302.

Marriage rates

There was a slight fall in 1962 in the crude marriage rate for the United Kingdom after it had remained constant at 15·0 per thousand in 1959, 1960 and 1961 following the earlier steady decline from the level of immediate post-war years. Though the Scottish rate has varied from this pattern (15·7 in 1959, 15·5 in 1960, 15·7 in 1961 and 15·5 in 1962) it has consistently maintained a higher rate than the area as a whole or any other country within it. The United Kingdom pattern is identical with that for England; the rate in Wales has fallen back after increases in 1960 and 1961; Northern Ireland showed signs in 1960 of recovery to her 1946–50 level, but the slight fall in 1961 has been confirmed in 1962.

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Table CLV. Vital statistics: 1938 and 1946 to 1962, United Kingdom

	United Kingdom	England	Wales	Scotland	Northern Ireland
Estimated mid-year home population (in thousands)					
1962 Males	25,856	21,350	1,310	2,496	700
1962 Females	27,486	22,708	1,341	2,701	736
1962 Persons	53,341	44,058	2,651	5,197	1,435
Marriages[1]					
1962	397,829	328,430	19,302	40,255	9,842
Persons marrying per 1,000 living					
1938	17·2	17·6	16·2	15·5	13·4
1946–50	17·5	17·7	17·4	16·9	13·9
1951–55	15·9	15·9	15·7	16·3	13·5
1956–60	15·3	15·3	15·0	16·2	13·5
1961	15·0	15·0	14·9	15·7	13·8
1962	14·9	14·9	14·6	15·5	13·7
Live births[1] [2]					
1962	975,635	793,354	45,382	104,334	32,565
Per 1,000 living					
1938	15·5	15·1	15·3	17·7	20·0
1946–50	18·3	18·0	17·9	19·8	22·0
1951–55	15·7	15·3	15·7	17·9	20·8
1956–60	16·8	16·4	16·2	19·2	21·7
1961	17·9	17·6	17·1	19·5	22·4
1962	18·3	18·0	17·1	20·1	22·7
Deaths[3]					
1962	636,051	523,855	33,781	63,189	15,226
Per 1,000 living					
1931–38[4]	12·2	12·0	12·9	13·2	14·4
1946–50	11·6	11·4	12·6	12·3	11·8
1951–55	11·7	11·3	12·7	12·1	11·3
1956–60	11·6	11·5	12·4	12·0	10·8
1961	12·0	11·9	12·8	12·3	11·3
1962	11·9	11·9	12·7	12·2	10·6
Infant mortality (deaths of infants under one year of age)[5]					
1962	21,819	17,037	1,150	2,768	864
Per 1,000 live births					
1938	56	53	57	70	75
1946–50	38	36	42	47	48
1951–55	28	27	33	33	37
1956–60	23	22	27	28	28
1961	22	21	24	26	27
1962	22	22	25	27	27

[1] The marriage and live birth rates for 1938 and from 1951 are based on *home* population, but the 1946–50 aggregates are based on *total* populations.

[2] England and Wales: occurrences. Remainder: registrations.

[3] The death rates are based on total deaths and *home* populations, except that the 1946–49 element in the 1946–50 aggregates is based on civilian deaths and *civilian* populations.

[4] Here the 1931–38 aggregate is given, since crude death rates in the year 1938 were rather lower than in adjacent years.

[5] England and Wales: for 1957 onwards based on deaths per thousand live birth occurrences; for earlier years based on deaths per thousand related live births. Remainder: based on deaths per thousand births registered.

Birth rates

The live birth rate in the United Kingdom (which had been 16·9 per thousand in 1958 and 1959) rose to 17·5 in 1960, to 17·9 in 1961 and yet again to 18·3 in 1962. The rates for the individual countries were as follows:

	England	Wales	Scotland	Northern Ireland
1958	16·4	16·2	19·4	21·6
1959	16·5	16·1	19·2	21·9
1960	17·2	16·8	19·6	22·5
1961	17·6	17·1	19·5	22·4
1962	18·0	17·1	20·1	22·7

In 1962 the rates in England and in Wales remained, as always, significantly lower than those in Scotland and, in continuing first place, Northern Ireland.

Infant mortality rates

The 1960 new low level of 22 per thousand live births was sustained for infant mortality in the United Kingdom in 1961 and 1962. The remarkable improvement on 1938 figures which had been steadily continued until 1960, and the failure to go still further, is repeated in the rates for England at their lower level than that of the United Kingdom or of any other constituent country, each of which showed a similar lack of progress from 1960 to 1962. The rates for Scotland and Northern Ireland were the same in 1962 at a level above those for England or Wales.

Cause of death

Standardised Mortality Ratios, age specific death rates and infant mortality rates from selected causes for the constituent countries of the United Kingdom are given in Appendix A of Part I.

PARLIAMENTARY AND LOCAL GOVERNMENT ELECTORS

The statistics of parliamentary and local government electors were discussed in Part III of the *Registrar General's Statistical Review of England and Wales* for the year 1961. The following Tables CLVI to CLXI advance by one year the figures in Tables CLIII to CLVIII on pages 316 to 323 of that volume. The percentages which the total parliamentary electorate represented of the estimated total population in the years 1957 to 1962 were:

1957	1958	1959	1960	1961	1962
68·2	68·1	67·8	67·5	67·0	66·6

Table CLVI. Parliamentary and local government electors, 1957 to 1962, England and Wales

Register (qualifying date in brackets)	Parliamentary Register				Local Government Register
	Total at qualifying date	Services Register (included in col. 2)	"Young Electors" (not included in cols. 2 and 3)		
			Total	Services (included in col. 4)	
1	2	3	4	5	6
1957 (10th Oct. 1956) ..	30,737,369	295,084	243,793	22,593	30,855,871
1958 (10th Oct. 1957) ..	30,795,834	283,383	250,464	26,707	30,914,568
1959 (10th Oct. 1958) ..	30,850,124	274,628	258,688	24,129	30,969,488
1960 (10th Oct. 1959) ..	30,974,254	279,936	245,464	25,435	31,096,735
1961 (10th Oct. 1960) ..	31,020,479	278,100	250,557	6,466	31,144,715
1962 (10th Oct. 1961) ..	31,153,107	229,022	240,636	5,903	31,278,504

Table CLVII. Parliamentary constituencies by size, distinguishing county and borough constituencies, 1959 and 1962, England

Total number of electors at qualifying date	Number of constituencies			
	1959		1962	
	County	Borough	County	Borough
30,000–	—	—	—	1
35,000–	2	7	1	10
40,000–	17	13	18	18
45,000–	31	38	24	43
50,000–	48	76	38	69
55,000–	46	63	51	63
60,000–	40	44	27	34
65,000–	18	23	28	24
70,000–	15	21	18	19
75,000–	4	3	10	5
80,000 and over	1	1	7	3
Total	**222**	**289**	**222**	**289**

Table CLVIII. Parliamentary constituencies by size, distinguishing county and borough constituencies, 1959 and 1962, Wales

Total number of electors at qualifying date	Number of constituencies			
	1959		1962	
	County	Borough	County	Borough
Under 30,000	1	—	1	—
30,000–	1	1	1	1
35,000–	4	1	4	1
40,000–	2	1	2	1
45,000–	5	1	5	1
50,000–	6	1	5	—
55,000–	4	3	4	3
60,000–	2	1	3	2
65,000–	1	—	1	—
70,000–	—	1	—	1
75,000 and over	—	—	—	—
Total	**26**	**10**	**26**	**10**

Table CLIX. Local government elections. Percentage of electorate voting in contested elections in urban areas, 1962, England and Wales

Electorate at qualifying date	Percentage of electorate voting												Contested elections			
	Under 25	25–	30–	35–	40–	45–	50–	55–	60–	65–	70–	75 and over	Total urban areas	Total electorate	Electorate voting	Percentage of electorate voting
County boroughs																
Under 50,000	—	1	—	5	5	3	3	3	—	—	—	—	20	735,263	329,459	44·8
50,000–	—	—	2	2	2	5	4	—	—	—	—	—	15	716,889	327,536	45·7
70,000–	—	—	2	5	5	4	4	—	—	—	—	—	20	1,419,496	620,673	43·7
100,000–	—	—	2	8	5	5	—	—	—	—	—	—	20	2,602,238	1,050,358	40·4
200,000 and over	—	—	4	2	2	—	—	—	—	—	—	—	8	3,022,902	1,088,447	36·0
Total	—	**1**	**10**	**22**	**19**	**17**	**11**	**3**	—	—	—	—	**83**	**8,496,788**	**3,416,473**	**40·2**
Municipal boroughs and urban districts																
Under 5,000	1	3	5	9	18	24	18	19	16	6	8	3	130	375,968	189,303	50·4
5,000–	2	5	8	15	13	28	23	22	11	4	3	—	134	753,613	365,482	48·5
10,000–	2	4	10	18	33	31	32	20	12	2	1	—	165	1,633,084	773,141	47·3
20,000–	4	7	13	25	34	34	40	17	4	—	1	—	179	4,544,000	2,032,778	44·7
50,000 and over	5	10	5	12	12	10	3	—	1	—	—	1	59	4,592,492	1,741,961	37·9
Total	**14**	**29**	**41**	**79**	**110**	**127**	**116**	**78**	**44**	**12**	**13**	**4**	**667**	**11,899,157**	**5,102,665**	**42·9**

Table CLX. Local government elections. Percentage of electorate voting in contested rural district elections, 1962, England and Wales and standard regions

Area	Percentage of electorate voting												Contested elections			
	Under 25	25–	30–	35–	40–	45–	50–	55–	60–	65–	70–	75 and over	Total rural districts	Total electorate	Electorate voting	Percentage of electorate voting
England and Wales	**8**	**6**	**8**	**12**	**16**	**11**	**7**	**8**	**9**	**2**	**3**	**6**	**96**	**280,275**	**116,195**	**41·5**
England	8	6	8	12	16	11	7	8	9	2	3	6	96	280,275	116,195	41·5
Wales	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Standard regions:																
Northern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
East and West Ridings	—	—	—	1	—	—	—	—	—	—	—	1	2	5,848	2,318	39·6
North Western	—	—	—	—	—	—	—	1	2	—	—	—	3	3,289	1,978	60·1
North Midland*	—	1	—	2	2	1	—	1	2	—	—	1	10	53,742	23,705	44·1
Midland	—	—	—	1	—	1	1	—	3	—	—	2	8	7,352	3,537	48·1
Eastern†	2	2	2	2	3	2	1	1	1	1	1	2	20	55,807	23,839	42·7
London and South Eastern	4	—	4	3	4	4	—	2	—	—	2	—	23	79,827	30,603	38·3
Southern	2	2	1	2	5	2	5	1	—	—	—	—	20	61,294	24,961	40·7
South Western‡	—	1	1	1	2	1	—	2	1	1	—	—	10	13,116	5,254	40·1
Wales I (South East)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wales II (remainder)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* Includes the whole of Derbyshire.

† Includes the whole of Essex and Hertfordshire.

‡ Includes the whole of Dorset.

Table CLXI. Local government elections. Percentage of electorate voting in contested elections, 1954 to 1962, England and Wales

District	1954	1955	1956	1957	1958	1959	1960	1961	1962
Administrative counties	—	36·5	—	—	33·3	—	—	35·7	—
County boroughs	42·8	43·8	37·6	40·0	40·3	41·0	35·4	40·6	40·2
Other boroughs and urban districts	45·7	45·0	39·4	44·1	42·9	42·1	40·4	42·3	42·9
Rural districts	47·1	48·2	41·3	45·2	46·2	42·1	37·5	45·0	41·5
Total	**44·3**	**41·6**	**38·7**	**42·2**	**38·6**	**41·6**	**38·0**	**39·5**	**41·8**

APPENDICES

APPENDIX A

FERTILITY BY YEAR OF MARRIAGE, 1920–1962

Women married once only, England and Wales

1. *Mean family size*

Table 1 (a).—All marriage ages under 45

Mean family size

Calendar year of marriage	Marriage duration (exact years)																															Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·04	·40	·70	·92	1·11	1·28	1·42	1·55	1·67	1·77	1·85	1·93	2·00	2·05	2·10	2·15	2·18	2·21	2·24	2·26	2·28	2·29	2·30	2·31	2·32	2·32	2·32	2·32	2·32	2·32	2·32	1920–24
1925	·04	·39	·66	·86	1·04	1·19	1·33	1·45	1·55	1·64	1·72	1·80	1·86	1·91	1·96	2·00	2·03	2·06	2·08	2·11	2·13	2·14	2·16	2·16	2·17	2·17	2·17	2·17	2·17	2·17	2·17	1925
1926	·04	·38	·64	·84	1·01	1·16	1·30	1·41	1·51	1·60	1·68	1·75	1·81	1·86	1·91	1·95	1·99	2·02	2·05	2·07	2·10	2·11	2·12	2·13	2·14	2·14	2·14	2·14	2·14	2·14	2·14	1926
1927	·04	·38	·63	·83	1·00	1·15	1·27	1·38	1·49	1·58	1·66	1·72	1·78	1·83	1·87	1·91	1·95	1·98	2·01	2·03	2·05	2·07	2·08	2·08	2·09	2·09	2·09	2·09	2·09	2·09	2·09	1927
1928	·03	·35	·63	·82	·99	1·13	1·26	1·36	1·47	1·56	1·64	1·71	1·77	1·81	1·86	1·90	1·93	1·97	2·00	2·02	2·04	2·06	2·07	2·07	2·08	2·08	2·08	2·08	2·08	2·08	2·08	1928
1929	·03	·37	·63	·82	·98	1·13	1·26	1·38	1·48	1·56	1·65	1·72	1·78	1·82	1·87	1·92	1·96	1·99	2·02	2·04	2·05	2·06	2·07	2·08	2·08	2·08	2·08	2·08	2·08	2·08	2·08	1929
1930	·03	·36	·62	·82	·98	1·13	1·27	1·38	1·48	1·57	1·64	1·71	1·76	1·82	1·87	1·92	1·96	2·00	2·03	2·04	2·06	2·07	2·08	2·08	2·08	2·08	2·09	2·09	2·09	2·09	2·09	1930
1931	·03	·36	·61	·79	·96	1·10	1·24	1·35	1·45	1·54	1·61	1·67	1·74	1·80	1·86	1·91	1·96	1·99	2·02	2·04	2·05	2·06	2·07	2·07	2·07	2·08	2·08	2·08	2·08	2·08	2·08	1931
1932	·03	·36	·59	·78	·95	1·10	1·22	1·34	1·44	1·51	1·58	1·66	1·73	1·81	1·87	1·92	1·97	2·00	2·02	2·04	2·05	2·06	2·07	2·07	2·08	2·08	2·08	2·08	2·08	2·08	2·08	1932
1933	·04	·35	·60	·78	·95	1·09	1·22	1·33	1·42	1·50	1·58	1·66	1·74	1·81	1·87	1·92	1·96	1·99	2·01	2·02	2·04	2·04	2·05	2·05	2·06	2·06	2·06	2·06	2·06	2·06	—	1933
1934	·03	·34	·59	·77	·94	1·08	1·21	1·30	1·39	1·49	1·58	1·67	1·74	1·82	1·87	1·92	1·95	1·97	1·99	2·00	2·01	2·02	2·03	2·03	2·03	2·03	2·03	2·03	2·03	—	—	1934
1935	·03	·33	·57	·76	·93	1·06	1·17	1·28	1·39	1·50	1·60	1·68	1·77	1·84	1·88	1·92	1·95	1·98	1·99	2·00	2·02	2·02	2·03	2·03	2·03	2·04	2·04	2·04	—	—	—	1935
1936	·03	·32	·56	·75	·91	1·03	1·15	1·27	1·39	1·50	1·60	1·69	1·77	1·82	1·87	1·90	1·93	1·95	1·97	1·98	1·99	2·00	2·00	2·00	2·01	2·01	2·01	—	—	—	—	1936
1937	·03	·31	·55	·73	·87	·99	1·13	1·27	1·39	1·51	1·62	1·72	1·79	1·84	1·88	1·92	1·94	1·96	1·98	1·99	2·00	2·01	2·01	2·02	2·02	2·02	—	—	—	—	—	1937
1938	·03	·32	·56	·73	·88	1·03	1·18	1·32	1·44	1·58	1·68	1·76	1·83	1·88	1·92	1·95	1·97	1·99	2·01	2·02	2·03	2·04	2·05	2·05	2·05	—	—	—	—	—	—	1938
1939	·02	·25	·47	·65	·82	·99	1·14	1·29	1·44	1·57	1·66	1·74	1·80	1·86	1·90	1·93	1·95	1·98	1·99	2·01	2·02	2·03	2·03	2·04	—	—	—	—	—	—	—	1939
1940	·02	·21	·43	·61	·79	·95	1·11	1·29	1·43	1·54	1·63	1·70	1·75	1·80	1·84	1·87	1·89	1·92	1·93	1·95	1·96	1·97	1·98	—	—	—	—	—	—	—	—	1940
1941	·02	·21	·45	·64	·82	·99	1·18	1·35	1·47	1·57	1·66	1·72	1·78	1·83	1·87	1·90	1·93	1·95	1·97	1·98	2·00	2·01	—	—	—	—	—	—	—	—	—	1941
1942	·02	·22	·46	·65	·84	1·05	1·24	1·38	1·50	1·60	1·69	1·75	1·81	1·86	1·90	1·94	1·97	1·99	2·01	2·03	2·04	—	—	—	—	—	—	—	—	—	—	1942
1943	·03	·27	·53	·74	·96	1·16	1·33	1·46	1·58	1·66	1·75	1·81	1·87	1·91	1·95	1·99	2·02	2·04	2·07	2·08	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·04	·29	·58	·83	1·05	1·24	1·39	1·52	1·62	1·71	1·79	1·85	1·91	1·95	1·99	2·03	2·06	2·09	2·11	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·04	·28	·60	·86	1·06	1·24	1·39	1·51	1·62	1·71	1·79	1·85	1·91	1·95	2·00	2·03	2·06	2·08	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·04	·33	·66	·89	1·09	1·25	1·40	1·53	1·64	1·73	1·80	1·87	1·93	1·98	2·02	2·05	2·08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·04	·34	·66	·88	1·08	1·25	1·40	1·53	1·64	1·73	1·81	1·88	1·94	1·99	2·03	2·07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·04	·34	·64	·86	1·05	1·23	1·39	1·52	1·63	1·72	1·81	1·88	1·94	2·00	2·04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·04	·33	·62	·84	1·04	1·22	1·38	1·51	1·63	1·72	1·81	1·89	1·95	2·00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·04	·35	·62	·85	1·06	1·25	1·42	1·58	1·71	1·82	1·91	2·00	2·07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·04	·31	·58	·79	·99	1·18	1·35	1·49	1·62	1·72	1·82	1·90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·04	·32	·58	·80	1·00	1·20	1·38	1·53	1·65	1·77	1·86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·04	·32	·58	·81	1·03	1·23	1·41	1·56	1·70	1·81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·04	·32	·58	·81	1·03	1·24	1·42	1·58	1·72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·04	·33	·60	·83	1·06	1·27	1·46	1·62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·04	·34	·61	·86	1·10	1·32	1·51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·04	·34	·62	·87	1·12	1·34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·04	·35	·63	·90	1·15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·04	·35	·64	·92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·04	·37	·66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·04	·38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961
1962	·04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1962

Calendar year of marriage	Marriage duration (exact years)																														Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·03	·57	·91	1·19	1·43	1·65	1·85	2·03	2·21	2·36	2·50	2·64	2·77	2·88	2·98	3·08	3·17	3·25	3·33	3·40	3·46	3·51	3·56	3·59	3·62	3·65	3·66	3·67	3·67	3·67	3·67	1920–24
1925	·04	·58	·89	1·16	1·39	1·59	1·78	1·94	2·10	2·25	2·38	2·50	2·62	2·72	2·82	2·91	2·97	3·06	3·13	3·21	3·27	3·34	3·39	3·43	3·46	3·48	3·49	3·49	3·50	3·50	3·50	1925
1926	·04	·60	·91	1·17	1·38	1·58	1·76	1·91	2·06	2·20	2·34	2·48	2·59	2·70	2·79	2·88	2·96	3·04	3·12	3·19	3·26	3·33	3·37	3·41	3·43	3·44	3·45	3·46	3·46	3·46	3·46	1926
1927	·05	·63	·92	1·16	1·37	1·57	1·74	1·90	2·05	2·18	2·33	2·44	2·56	2·66	2·76	2·85	2·94	3·02	3·12	3·19	3·26	3·31	3·34	3·37	3·39	3·40	3·41	3·42	3·42	3·42	3·42	1927
1928	·04	·60	·94	1·18	1·42	1·60	1·77	1·93	2·09	2·22	2·36	2·47	2·58	2·68	2·79	2·88	2·98	3·07	3·16	3·25	3·31	3·36	3·40	3·43	3·44	3·46	3·47	3·47	3·47	3·47	3·48	1928
1929	·03	·65	·95	1·20	1·41	1·60	1·77	1·94	2·10	2·24	2·37	2·50	2·62	2·71	2·81	2·90	3·00	3·09	3·17	3·24	3·29	3·33	3·36	3·38	3·40	3·41	3·42	3·42	3·42	3·42	3·42	1929
1930	·03	·63	·96	1·20	1·42	1·61	1·80	1·97	2·12	2·25	2·38	2·50	2·60	2·71	2·81	2·92	2·99	3·09	3·16	3·22	3·26	3·30	3·33	3·35	3·37	3·38	3·39	3·39	3·39	3·39	3·40	1930
1931	·02	·63	·92	1·15	1·37	1·57	1·75	1·91	2·06	2·21	2·33	2·45	2·56	2·67	2·78	2·87	2·98	3·07	3·14	3·20	3·24	3·28	3·30	3·33	3·34	3·36	3·36	3·36	3·37	3·37	3·37	1931
1932	·03	·62	·92	1·17	1·37	1·56	1·74	1·91	2·04	2·17	2·30	2·43	2·55	2·67	2·79	2·92	3·03	3·11	3·18	3·23	3·27	3·31	3·34	3·36	3·38	3·39	3·40	3·40	3·40	3·40	3·40	1932
1933	·04	·64	·94	1·17	1·38	1·57	1·75	1·90	2·03	2·15	2·28	2·42	2·55	2·68	2·82	2·94	3·03	3·10	3·16	3·20	3·24	3·28	3·30	3·33	3·34	3·35	3·36	3·36	3·36	3·36	—	1933
1934	·03	·64	·94	1·18	1·38	1·58	1·76	1·90	2·05	2·19	2·34	2·48	2·63	2·78	2·90	3·01	3·09	3·15	3·21	3·25	3·29	3·32	3·35	3·37	3·38	3·39	3·39	3·40	3·40	—	—	1934
1935	·03	·62	·92	1·16	1·36	1·55	1·72	1·88	2·03	2·18	2·31	2·46	2·61	2·74	2·84	2·93	3·00	3·06	3·11	3·16	3·19	3·22	3·25	3·27	3·28	3·29	3·30	3·30	—	—	—	1935
1936	·04	·62	·93	1·17	1·38	1·56	1·72	1·88	2·03	2·19	2·34	2·50	2·64	2·76	2·85	2·93	2·99	3·05	3·10	3·15	3·19	3·22	3·25	3·27	3·28	3·29	3·30	—	—	—	—	1936
1937	·03	·59	·89	1·13	1·32	1·50	1·68	1·84	2·01	2·18	2·36	2·51	2·64	2·74	2·83	2·91	2·98	3·04	3·10	3·14	3·18	3·22	3·25	3·27	3·28	3·29	—	—	—	—	—	1937
1938	·03	·61	·92	1·15	1·34	1·54	1·71	1·87	2·06	2·24	2·39	2·51	2·62	2·72	2·79	2·86	2·92	2·98	3·03	3·07	3·11	3·14	3·17	3·19	3·20	—	—	—	—	—	—	1938
1939	·02	·43	·70	·93	1·12	1·32	1·51	1·69	1·91	2·08	2·23	2·35	2·46	2·56	2·64	2·71	2·77	2·83	2·88	2·92	2·96	2·99	3·02	3·04	—	—	—	—	—	—	—	1939
1940	·02	·32	·59	·81	1·00	1·18	1·39	1·62	1·82	1·96	2·08	2·20	2·29	2·38	2·45	2·51	2·57	2·62	2·67	2·71	2·75	2·78	2·80	—	—	—	—	—	—	—	—	1940
1941	·02	·30	·58	·79	·99	1·20	1·45	1·68	1·84	1·98	2·11	2·22	2·32	2·40	2·47	2·53	2·59	2·64	2·69	2·73	2·76	2·79	—	—	—	—	—	—	—	—	—	1941
1942	·02	·30	·55	·78	1·00	1·25	1·49	1·68	1·83	1·97	2·08	2·19	2·28	2·36	2·43	2·50	2·56	2·61	2·65	2·69	2·73	—	—	—	—	—	—	—	—	—	—	1942
1943	·02	·34	·62	·86	1·11	1·36	1·56	1·74	1·88	2·01	2·12	2·23	2·31	2·39	2·45	2·51	2·57	2·62	2·66	2·70	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·03	·38	·68	·96	1·23	1·46	1·65	1·82	1·95	2·07	2·18	2·28	2·36	2·44	2·51	2·57	2·63	2·68	2·73	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·04	·35	·70	1·01	1·26	1·48	1·67	1·84	1·99	2·11	2·22	2·32	2·42	2·50	2·57	2·63	2·69	2·75	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·04	·42	·80	1·09	1·33	1·54	1·73	1·90	2·05	2·18	2·30	2·41	2·51	2·60	2·67	2·74	2·80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·04	·46	·84	1·11	1·35	1·56	1·75	1·92	2·07	2·21	2·33	2·44	2·54	2·63	2·71	2·79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·04	·48	·84	1·11	1·35	1·57	1·78	1·95	2·10	2·24	2·37	2·49	2·59	2·68	2·77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·04	·48	·84	1·12	1·38	1·60	1·81	1·99	2·14	2·28	2·41	2·52	2·63	2·72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·04	·52	·83	1·11	1·38	1·61	1·83	2·03	2·21	2·36	2·50	2·64	2·75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·04	·46	·78	1·06	1·32	1·55	1·77	1·96	2·13	2·28	2·41	2·54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·04	·47	·79	1·06	1·32	1·57	1·78	1·98	2·15	2·31	2·45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·04	·48	·80	1·07	1·34	1·59	1·81	2·01	2·17	2·33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·04	·47	·78	1·06	1·32	1·57	1·79	1·99	2·16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·04	·45	·77	1·05	1·32	1·55	1·77	1·96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·04	·46	·78	1·08	1·35	1·60	1·82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·04	·46	·78	1·08	1·36	1·61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·04	·47	·80	1·10	1·39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·04	·47	·80	1·12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·04	·50	·84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·04	·52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961
1962	·04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1962

Table 1 (c).—Marriage age 20–24

Mean family size

Calendar year of marriage	Marriage duration (exact years)																														Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·03	·44	·76	1·00	1·21	1·39	1·56	1·70	1·84	1·96	2·06	2·15	2·24	2·31	2·37	2·43	2·48	2·52	2·55	2·58	2·60	2·62	2·63	2·64	2·65	2·65	2·65	2·65	2·65	2·65	2·65	1920–24
1925	·03	·43	·73	·95	1·15	1·31	1·47	1·60	1·72	1·83	1·93	2·01	2·09	2·16	2·22	2·27	2·32	2·36	2·40	2·43	2·46	2·48	2·49	2·50	2·50	2·51	2·51	2·51	2·51	2·51	2·51	1925
1926	·03	·42	·70	·92	1·11	1·28	1·43	1·56	1·68	1·79	1·88	1·97	2·04	2·11	2·16	2·22	2·27	2·32	2·36	2·39	2·42	2·44	2·46	2·47	2·47	2·48	2·48	2·48	2·48	2·48	2·48	1926
1927	·03	·42	·70	·91	1·10	1·27	1·41	1·53	1·66	1·76	1·86	1·93	2·00	2·07	2·12	2·16	2·21	2·25	2·29	2·33	2·35	2·37	2·38	2·39	2·39	2·39	2·39	2·39	2·39	2·39	2·39	1927
1928	·02	·38	·68	·89	1·08	1·24	1·38	1·50	1·62	1·73	1·82	1·91	1·98	2·04	2·09	2·14	2·19	2·24	2·28	2·30	2·33	2·34	2·35	2·36	2·36	2·36	2·36	2·36	2·36	2·36	2·36	1928
1929	·02	·41	·70	·90	1·08	1·24	1·39	1·52	1·64	1·74	1·84	1·92	1·99	2·05	2·11	2·17	2·22	2·26	2·29	2·32	2·34	2·36	2·36	2·37	2·37	2·37	2·37	2·37	2·37	2·37	2·37	1929
1930	·02	·39	·68	·88	1·07	1·23	1·38	1·51	1·62	1·72	1·81	1·88	1·95	2·02	2·08	2·15	2·20	2·24	2·28	2·30	2·32	2·33	2·34	2·34	2·35	2·35	2·35	2·35	2·35	2·35	2·35	1930
1931	·02	·38	·66	·86	1·04	1·20	1·35	1·48	1·59	1·69	1·77	1·85	1·92	2·00	2·08	2·14	2·21	2·25	2·28	2·31	2·33	2·34	2·34	2·35	2·35	2·35	2·35	2·35	2·35	2·35	2·35	1931
1932	·02	·38	·64	·84	1·02	1·19	1·33	1·46	1·57	1·66	1·74	1·83	1·92	2·01	2·09	2·16	2·21	2·25	2·28	2·30	2·31	2·32	2·33	2·34	2·34	2·34	2·34	2·34	2·34	2·34	2·34	1932
1933	·03	·37	·64	·84	1·02	1·18	1·32	1·45	1·55	1·64	1·73	1·83	1·93	2·01	2·10	2·16	2·21	2·24	2·27	2·29	2·30	2·31	2·32	2·32	2·32	2·32	2·32	2·32	2·32	2·32	—	1933
1934	·02	·37	·63	·84	1·02	1·18	1·31	1·42	1·52	1·64	1·75	1·85	1·94	2·03	2·10	2·15	2·19	2·22	2·25	2·26	2·28	2·29	2·29	2·30	2·30	2·30	2·30	2·30	2·30	—	—	1934
1935	·02	·36	·62	·82	1·01	1·16	1·27	1·39	1·52	1·65	1·76	1·87	1·98	2·06	2·12	2·17	2·21	2·24	2·26	2·28	2·30	2·30	2·31	2·31	2·32	2·32	2·32	2·32	—	—	—	1935
1936	·03	·35	·60	·80	·98	1·12	1·24	1·37	1·50	1·63	1·75	1·87	1·96	2·03	2·08	2·13	2·16	2·19	2·21	2·23	2·24	2·25	2·26	2·26	2·26	2·26	2·26	—	—	—	—	1936
1937	·03	·33	·58	·78	·93	1·07	1·22	1·37	1·50	1·64	1·77	1·88	1·96	2·03	2·08	2·12	2·16	2·18	2·20	2·22	2·23	2·24	2·24	2·25	2·25	2·25	—	—	—	—	—	1937
1938	·02	·32	·57	·75	·92	1·08	1·25	1·40	1·54	1·69	1·82	1·91	1·99	2·05	2·10	2·14	2·17	2·19	2·21	2·23	2·24	2·25	2·25	2·26	2·26	—	—	—	—	—	—	1938
1939	·02	·24	·47	·66	·84	1·03	1·20	1·36	1·53	1·67	1·78	1·87	1·94	2·00	2·05	2·08	2·12	2·14	2·16	2·18	2·19	2·20	2·21	2·21	—	—	—	—	—	—	—	1939
1940	·02	·20	·43	·62	·81	·98	1·16	1·35	1·51	1·63	1·73	1·81	1·87	1·92	1·97	2·00	2·03	2·06	2·08	2·10	2·11	2·12	2·13	—	—	—	—	—	—	—	—	1940
1941	·02	·20	·44	·65	·84	1·02	1·23	1·42	1·55	1·66	1·76	1·83	1·89	1·95	1·99	2·03	2·06	2·09	2·11	2·13	2·14	2·15	—	—	—	—	—	—	—	—	—	1941
1942	·02	·21	·47	·67	·86	1·09	1·29	1·44	1·58	1·69	1·78	1·85	1·92	1·97	2·02	2·06	2·09	2·12	2·14	2·16	2·17	—	—	—	—	—	—	—	—	—	—	1942
1943	·02	·27	·55	·75	·99	1·20	1·38	1·53	1·65	1·75	1·84	1·91	1·97	2·02	2·06	2·10	2·14	2·17	2·19	2·21	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·04	·28	·58	·85	1·08	1·28	1·44	1·58	1·69	1·79	1·87	1·94	2·00	2·05	2·10	2·14	2·17	2·20	2·22	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·03	·27	·61	·88	1·09	1·28	1·43	1·56	1·67	1·77	1·85	1·92	1·98	2·04	2·08	2·12	2·15	2·18	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·03	·33	·68	·92	1·13	1·31	1·47	1·61	1·73	1·82	1·91	1·98	2·04	2·10	2·15	2·19	2·23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·03	·34	·67	·90	1·10	1·28	1·45	1·58	1·70	1·80	1·88	1·96	2·03	2·09	2·14	2·18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·03	·33	·64	·86	1·07	1·25	1·42	1·55	1·67	1·78	1·87	1·94	2·01	2·07	2·12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·03	·32	·62	·84	1·04	1·23	1·40	1·54	1·66	1·76	1·86	1·94	2·00	2·06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·03	·32	·60	·83	1·05	1·25	1·43	1·59	1·73	1·85	1·95	2·05	2·12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·03	·28	·55	·76	·97	1·16	1·34	1·49	1·63	1·74	1·84	1·92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·03	·29	·56	·77	·98	1·18	1·37	1·53	1·66	1·79	1·89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·03	·28	·55	·77	·99	1·20	1·39	1·55	1·70	1·82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·03	·28	·54	·76	·99	1·20	1·40	1·56	1·71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·03	·29	·56	·79	1·02	1·24	1·44	1·61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·03	·30	·57	·82	1·06	1·28	1·49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·03	·30	·57	·82	1·07	1·30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·03	·31	·58	·85	1·10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·03	·31	·59	·86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·03	·32	·60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·03	·33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961
1962	·03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1962

Table 1 (d).—Marriage age 25–29

Mean family size

Calendar year of marriage	Marriage duration (exact years)																														Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·03	·33	·62	·82	1·00	1·15	1·28	1·39	1·49	1·58	1·65	1·70	1·75	1·78	1·81	1·84	1·85	1·86	1·87	1·88	1·88	1·88	1·88	1·88	1·88	1·88	1·88	1·88	1·88	1·88	1·88	1920–24
1925	·03	·30	·56	·73	·89	1·03	1·15	1·26	1·35	1·42	1·48	1·54	1·58	1·62	1·64	1·66	1·68	1·68	1·69	1·69	1·70	1·70	1·70	1·70	1·70	1·70	1·70	1·70	1·70	1·70	1·70	1925
1926	·03	·29	·54	·72	·88	1·01	1·13	1·23	1·32	1·39	1·45	1·51	1·55	1·58	1·60	1·62	1·64	1·65	1·66	1·66	1·66	1·67	1·67	1·67	1·67	1·67	1·67	1·67	1·67	1·67	1·67	1926
1927	·02	·27	·50	·68	·83	·97	1·07	1·18	1·26	1·34	1·40	1·46	1·50	1·53	1·56	1·58	1·60	1·61	1·61	1·62	1·63	1·63	1·63	1·63	1·63	1·63	1·63	1·63	1·63	1·63	1·63	1927
1928	·03	·27	·52	·70	·85	·98	1·10	1·19	1·27	1·35	1·41	1·46	1·50	1·53	1·56	1·58	1·60	1·61	1·62	1·63	1·63	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1928
1929	·03	·26	·50	·68	·83	·96	1·09	1·19	1·27	1·34	1·40	1·46	1·50	1·53	1·56	1·59	1·61	1·62	1·63	1·64	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1929
1930	·02	·27	·50	·68	·84	·97	1·10	1·20	1·30	1·38	1·44	1·48	1·53	1·57	1·60	1·63	1·65	1·67	1·68	1·68	1·69	1·69	1·69	1·69	1·69	1·69	1·69	1·69	1·69	1·69	1·69	1930
1931	·02	·26	·49	·66	·82	·95	1·07	1·17	1·26	1·34	1·39	1·44	1·48	1·53	1·56	1·59	1·61	1·63	1·64	1·64	1·64	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1931
1932	·02	·25	·47	·64	·79	·93	1·05	1·15	1·23	1·29	1·35	1·40	1·46	1·52	1·55	1·59	1·61	1·63	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1·64	1932
1933	·03	·26	·49	·67	·82	·96	1·08	1·17	1·24	1·30	1·37	1·44	1·50	1·54	1·58	1·61	1·62	1·64	1·64	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	—	1933
1934	·03	·25	·48	·65	·80	·94	1·06	1·14	1·21	1·29	1·37	1·45	1·50	1·55	1·58	1·61	1·62	1·64	1·64	1·64	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	1·65	—	—	1934
1935	·02	·25	·47	·66	·82	·94	1·04	1·12	1·22	1·33	1·42	1·48	1·55	1·59	1·62	1·64	1·66	1·66	1·67	1·67	1·68	1·68	1·68	1·68	1·68	1·68	1·68	1·68	—	—	—	1935
1936	·02	·24	·47	·64	·80	·90	1·02	1·12	1·24	1·34	1·42	1·50	1·56	1·60	1·62	1·64	1·65	1·66	1·67	1·67	1·67	1·67	1·67	1·67	1·67	1·67	1·67	—	—	—	—	1936
1937	·03	·23	·45	·62	·74	·85	1·00	1·13	1·26	1·36	1·47	1·55	1·60	1·64	1·67	1·69	1·70	1·70	1·71	1·71	1·71	1·71	1·71	1·71	1·71	1·71	—	—	—	—	—	1937
1938	·03	·24	·45	·61	·74	·89	1·04	1·17	1·30	1·42	1·52	1·59	1·64	1·67	1·70	1·72	1·73	1·74	1·74	1·74	1·74	1·74	1·74	1·74	1·74	—	—	—	—	—	—	1938
1939	·02	·20	·40	·57	·74	·90	1·04	1·18	1·32	1·43	1·51	1·57	1·62	1·65	1·68	1·69	1·71	1·72	1·72	1·72	1·72	1·73	1·73	1·73	—	—	—	—	—	—	—	1939
1940	·02	·17	·37	·55	·73	·88	1·04	1·20	1·33	1·42	1·50	1·55	1·59	1·62	1·65	1·66	1·68	1·68	1·69	1·69	1·69	1·69	1·69	—	—	—	—	—	—	—	—	1940
1941	·02	·18	·40	·58	·75	·92	1·09	1·24	1·35	1·44	1·50	1·55	1·59	1·62	1·64	1·66	1·67	1·68	1·68	1·68	1·67	1·69	—	—	—	—	—	—	—	—	—	1941
1942	·03	·20	·44	·62	·80	·99	1·16	1·29	1·39	1·47	1·54	1·58	1·63	1·66	1·68	1·70	1·71	1·72	1·72	1·72	1·72	—	—	—	—	—	—	—	—	—	—	1942
1943	·04	·26	·51	·72	·93	1·12	1·27	1·40	1·49	1·56	1·63	1·68	1·72	1·75	1·77	1·78	1·80	1·80	1·81	1·81	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·04	·26	·55	·79	1·00	1·17	1·31	1·42	1·51	1·59	1·66	1·71	1·75	1·78	1·80	1·82	1·84	1·85	1·85	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·05	·27	·59	·83	1·02	1·19	1·33	1·44	1·54	1·62	1·69	1·74	1·78	1·82	1·84	1·86	1·87	1·88	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·05	·32	·63	·86	1·04	1·20	1·34	1·45	1·55	1·63	1·70	1·75	1·80	1·83	1·86	1·88	1·89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·05	·33	·62	·84	1·02	1·20	1·35	1·47	1·57	1·66	1·73	1·78	1·83	1·86	1·89	1·91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·05	·31	·59	·81	1·00	1·17	1·32	1·44	1·54	1·62	1·69	1·75	1·80	1·84	1·86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·05	·29	·56	·76	·95	1·12	1·26	1·39	1·49	1·57	1·64	1·70	1·74	1·78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·05	·30	·57	·79	·99	1·17	1·33	1·46	1·58	1·67	1·75	1·82	1·87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·05	·28	·54	·74	·93	1·11	1·26	1·39	1·50	1·59	1·67	1·73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·05	·28	·54	·74	·94	1·12	1·28	1·41	1·53	1·62	1·70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·05	·28	·54	·76	·96	1·15	1·32	1·46	1·57	1·67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·05	·28	·54	·76	·98	1·18	1·35	1·50	1·62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·05	·30	·57	·80	1·02	1·22	1·40	1·54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·05	·31	·58	·83	1·06	1·27	1·45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·05	·32	·59	·84	1·09	1·30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·05	·33	·61	·87	1·12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·05	·33	·62	·89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·05	·35	·64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·05	·36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961
1962	·05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1962

Table 1 (e).—Marriage age 30–34

Mean family size

Calendar year of marriage	Marriage duration (exact years)																																Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·05	·33	·57	·75	·91	1·03	1·13	1·21	1·28	1·33	1·36	1·39	1·41	1·42	1·42	1·43	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1·44	1920–24
1925	·06	·32	·56	·72	·87	·98	1·07	1·13	1·20	1·25	1·28	1·30	1·32	1·33	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1·34	1925
1926	·06	·29	·50	·66	·78	·88	·96	1·02	1·08	1·12	1·14	1·16	1·17	1·18	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1926
1927	·07	·31	·53	·70	·82	·93	1·03	1·09	1·14	1·18	1·21	1·24	1·26	1·26	1·26	1·26	1·26	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1·27	1927
1928	·06	·28	·50	·65	·76	·85	·93	·99	1·04	1·07	1·10	1·12	1·13	1·13	1·14	1·14	1·14	1·14	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1928
1929	·06	·28	·49	·63	·75	·84	·92	·99	1·04	1·08	1·11	1·13	1·15	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1·16	1929
1930	·05	·26	·48	·63	·75	·85	·93	·99	1·03	1·08	1·10	1·13	1·14	1·15	1·16	1·16	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1·17	1930
1931	·07	·28	·46	·61	·73	·83	·90	·97	1·02	1·05	1·08	1·10	1·12	1·12	1·13	1·14	1·14	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1·15	1931
1932	·06	·30	·48	·65	·78	·87	·96	1·02	1·08	1·12	1·14	1·17	1·20	1·20	1·22	1·22	1·23	1·23	1·24	1·24	1·24	1·24	1·24	1·24	1·24	1·24	1·24	1·24	1·24	1·24	1·24	1932
1933	·04	·26	·46	·60	·74	·84	·93	·99	1·04	1·09	1·13	1·17	1·19	1·20	1·22	1·22	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	—	1933
1934	·04	·25	·44	·58	·71	·80	·88	·94	·98	1·02	1·06	1·08	1·10	1·12	1·13	1·14	1·14	1·14	1·14	1·14	1·14	1·14	1·14	1·14	1·14	1·14	1·14	1·14	1·14	—	—	1934
1935	·04	·25	·46	·60	·72	·81	·89	·95	1·02	1·07	1·10	1·13	1·15	1·17	1·18	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	1·19	—	—	—	1935
1936	·04	·23	·42	·57	·69	·77	·84	·92	·99	1·05	1·10	1·13	1·15	1·16	1·17	1·17	1·18	1·18	1·18	1·18	1·18	1·18	1·18	1·18	1·18	1·18	1·18	—	—	—	—	1936
1937	·05	·26	·46	·60	·69	·78	·87	·96	1·03	1·09	1·13	1·16	1·18	1·19	1·20	1·20	1·20	1·20	1·20	1·20	1·20	1·20	1·20	1·20	1·20	1·20	—	—	—	—	—	1937
1938	·06	·26	·46	·60	·71	·81	·93	1·02	1·08	1·14	1·19	1·21	1·23	1·24	1·24	1·24	1·25	1·25	1·25	1·25	1·25	1·25	1·25	1·25	1·25	—	—	—	—	—	—	1938
1939	·06	·23	·41	·55	·67	·80	·91	1·00	1·08	1·14	1·18	1·20	1·22	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	1·23	—	—	—	—	—	—	—	1939
1940	·04	·19	·38	·54	·67	·80	·92	1·01	1·08	1·13	1·16	1·17	1·19	1·19	1·20	1·20	1·20	1·20	1·20	1·20	1·20	1·20	1·20	—	—	—	—	—	—	—	—	1940
1941	·05	·20	·42	·58	·71	·84	·95	1·05	1·11	1·15	1·18	1·19	1·20	1·21	1·22	1·22	1·22	1·22	1·22	1·22	1·22	1·22	—	—	—	—	—	—	—	—	—	1941
1942	·04	·19	·39	·53	·69	·84	·96	1·05	1·11	1·16	1·19	1·20	1·21	1·22	1·23	1·23	1·23	1·23	1·23	1·23	1·23	—	—	—	—	—	—	—	—	—	—	1942
1943	·07	·24	·44	·64	·81	·95	1·06	1·15	1·20	1·24	1·27	1·29	1·30	1·31	1·31	1·31	1·31	1·31	1·31	1·31	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·06	·26	·51	·72	·89	1·03	1·13	1·21	1·26	1·30	1·33	1·34	1·36	1·36	1·37	1·37	1·37	1·37	1·37	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·08	·27	·54	·74	·90	1·03	1·13	1·20	1·26	1·30	1·33	1·35	1·36	1·37	1·37	1·37	1·37	1·37	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·08	·27	·55	·74	·89	1·01	1·12	1·20	1·25	1·29	1·32	1·34	1·35	1·36	1·36	1·37	1·37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·08	·27	·53	·72	·87	·99	1·09	1·17	1·22	1·26	1·29	1·31	1·32	1·33	1·33	1·34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·08	·25	·50	·68	·84	·97	1·07	1·15	1·21	1·24	1·27	1·29	1·31	1·31	1·32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·08	·26	·50	·68	·84	·97	1·08	1·15	1·21	1·26	1·29	1·31	1·32	1·33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·08	·31	·57	·76	·93	1·07	1·19	1·28	1·35	1·40	1·43	1·46	1·47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·08	·29	·53	·70	·86	·99	1·10	1·18	1·25	1·29	1·32	1·34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·08	·30	·54	·72	·88	1·02	1·13	1·22	1·28	1·34	1·37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·08	·29	·53	·72	·88	1·02	1·12	1·21	1·28	1·32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·08	·30	·53	·72	·88	1·02	1·14	1·23	1·29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·08	·31	·55	·75	·91	1·05	1·17	1·26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·08	·33	·58	·79	·97	1·12	1·24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·08	·32	·57	·78	·96	1·11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·08	·33	·58	·80	·99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·08	·34	·60	·83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·08	·34	·61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·08	·35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961
1962	·08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1962

Table 1 (f).—Marriage age 35–39

Table 1 (g).—Marriage age 40–44

Mean family size

Calendar year of marriage	Marriage duration (exact years)																	Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1920–24	·07	·28	·46	·57	·66	·72	·76	·79	·81	·83	·84	·84	·84	·85	·85	·85	·85	1920–24
1925	·11	·32	·46	·57	·64	·68	·72	·75	·77	·78	·79	·80	·80	·80	·80	·80	·81	1925
1926	·11	·31	·45	·54	·60	·63	·66	·68	·70	·71	·72	·72	·72	·73	·73	·74	·74	1926
1927	·08	·29	·41	·50	·56	·60	·63	·65	·66	·67	·68	·68	·68	·68	·68	·68	·68	1927
1928	·10	·28	·41	·50	·56	·59	·62	·63	·64	·65	·66	·66	·67	·67	·67	·67	·67	1928
1929	·11	·28	·40	·50	·54	·58	·60	·62	·64	·64	·65	·66	·66	·66	·66	·66	·66	1929
1930	·07	·23	·39	·48	·56	·60	·64	·65	·66	·67	·67	·68	·68	·68	·68	·68	·68	1930
1931	·08	·27	·40	·48	·54	·61	·64	·66	·67	·68	·68	·68	·68	·68	·69	·69	·69	1931
1932	·12	·28	·42	·50	·54	·59	·62	·63	·65	·66	·66	·66	·66	·66	·66	·66	·66	1932
1933	·06	·24	·38	·46	·50	·54	·57	·58	·59	·59	·60	·60	·60	·60	·60	·61	·61	1933
1934	·08	·26	·40	·49	·55	·59	·62	·64	·64	·65	·65	·65	·66	·66	·66	·66	·66	1934
1935	·07	·21	·31	·39	·44	·47	·50	·51	·53	·54	·54	·54	·54	·54	·54	·54	·54	1935
1936	·07	·24	·38	·46	·53	·57	·60	·63	·64	·65	·66	·66	·67	·67	·67	·67	·67	1936
1937	·08	·21	·35	·44	·49	·52	·54	·56	·59	·60	·61	·61	·61	·61	·61	·61	·61	1937
1938	·10	·25	·37	·46	·52	·56	·59	·63	·65	·66	·67	·67	·67	·67	·67	·67	·67	1938
1939	·07	·19	·31	·38	·45	·50	·52	·56	·58	·59	·59	·60	·60	·60	·60	·60	·60	1939
1940	·08	·18	·30	·38	·47	·51	·55	·58	·60	·61	·61	·61	·61	·61	·61	·61	·61	1940
1941	·08	·20	·33	·43	·50	·56	·60	·63	·65	·65	·66	·66	·66	·66	·66	·66	·66	1941
1942	·07	·18	·32	·41	·48	·54	·58	·61	·62	·63	·63	·63	·63	·63	·63	·63	·63	1942
1943	·07	·19	·33	·43	·52	·58	·62	·64	·66	·66	·67	·67	·67	·67	·67	·67	·67	1943
1944	·09	·20	·37	·49	·58	·63	·67	·68	·70	·70	·70	·70	·70	·70	·70	·70	·70	1944
1945	·09	·23	·40	·53	·61	·66	·70	·71	·72	·73	·73	·73	·73	·73	·73	·73	·73	1945
1946	·09	·22	·41	·52	·60	·66	·69	·71	·72	·73	·73	·74	·74	·74	·74	·74	·74	1946
1947	·09	·21	·39	·50	·58	·63	·66	·68	·70	·70	·70	·71	·71	·71	·71	·71	—	1947
1948	·09	·21	·38	·49	·57	·62	·65	·67	·68	·69	·69	·69	·69	·69	·69	—	—	1948
1949	·09	·21	·37	·48	·55	·61	·64	·66	·67	·68	·68	·68	·68	·68	—	—	—	1949
1950	·09	·24	·41	·52	·60	·66	·70	·72	·73	·74	·74	·74	·74	—	—	—	—	1950
1951	·09	·22	·37	·48	·55	·60	·63	·65	·66	·67	·67	·67	—	—	—	—	—	1951
1952	·09	·22	·37	·47	·54	·59	·62	·64	·66	·66	·67	—	—	—	—	—	—	1952
1953	·09	·23	·40	·50	·57	·62	·66	·68	·69	·70	—	—	—	—	—	—	—	1953
1954	·09	·23	·40	·50	·58	·63	·67	·69	·71	—	—	—	—	—	—	—	—	1954
1955	·09	·25	·40	·51	·59	·65	·69	·72	—	—	—	—	—	—	—	—	—	1955
1956	·09	·26	·42	·54	·63	·69	·72	—	—	—	—	—	—	—	—	—	—	1956
1957	·09	·26	·42	·55	·64	·71	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·09	·26	·44	·57	·66	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·09	·27	·44	·57	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·09	·27	·44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·09	·28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961
1962	·09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1962

Calendar year of marriage	Marriage duration (exact years)															Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1920–24	·12	·23	·29	·32	·34	·36	·37	·37	·38	·39	·39	·39	·40	·40	·41	·41	1920–24
1925	·22	·27	·32	·35	·37	·37	·38	·39	·39	·39	·39	·40	·40	·40	·40	·40	1925
1926	·13	·24	·28	·30	·32	·33	·33	·34	·34	·35	·36	·36	·36	·37	·37	·37	1926
1927	·23	·34	·37	·38	·38	·39	·39	·39	·40	·41	·42	·42	·42	·42	·42	·42	1927
1928	·07	·14	·17	·19	·20	·20	·20	·21	·21	·21	·21	·22	·22	·22	·22	·22	1928
1929	·07	·18	·20	·21	·22	·22	·22	·22	·23	·24	·24	·24	·24	·24	·24	·24	1929
1930	·07	·17	·21	·24	·24	·25	·26	·27	·27	·27	·27	·27	·27	·27	·27	·27	1930
1931	·12	·21	·22	·24	·24	·24	·25	·25	·25	·25	·26	·26	·26	·26	·26	·26	1931
1932	·10	·21	·21	·22	·22	·23	·23	·24	·24	·24	·24	·25	·25	·25	·25	·25	1932
1933	·16	·25	·26	·26	·27	·27	·27	·27	·27	·27	·27	·27	·27	·27	·27	·27	1933
1934	·17	·28	·32	·34	·35	·36	·36	·36	·36	·36	·36	·36	·36	·36	·36	·36	1934
1935	·17	·24	·26	·26	·27	·27	·27	·27	·27	·27	·27	·27	·27	·27	·27	·27	1935
1936	·07	·13	·16	·18	·18	·19	·19	·20	·20	·20	·20	·20	·20	·20	·20	·20	1936
1937	·08	·11	·14	·16	·17	·17	·18	·18	·18	·18	·18	·18	·18	·18	·18	·18	1937
1938	·07	·14	·18	·20	·21	·21	·21	·21	·21	·21	·21	·21	·21	·21	·21	·21	1938
1939	·04	·10	·13	·14	·15	·15	·15	·16	·16	·16	·16	·16	·16	·16	·16	·16	1939
1940	·13	·16	·20	·21	·22	·23	·23	·24	·24	·24	·24	·24	·24	·24	·24	·24	1940
1941	·11	·14	·19	·21	·23	·24	·24	·24	·24	·24	·24	·24	·24	·24	·24	·24	1941
1942	·09	·13	·19	·21	·22	·23	·24	·24	·24	·24	·24	·24	·24	·24	·24	·24	1942
1943	·06	·12	·17	·19	·21	·22	·22	·22	·22	·22	·22	·22	·22	·22	·22	·22	1943
1944	·08	·13	·18	·21	·22	·23	·23	·23	·23	·23	·23	·23	·23	·23	·23	·23	1944
1945	·11	·15	·20	·23	·24	·25	·25	·25	·25	·25	·25	·25	·25	·25	·25	·25	1945
1946	·11	·15	·20	·23	·24	·25	·25	·25	·25	·25	·25	·25	·25	·25	·25	·25	1946
1947	·11	·15	·20	·22	·24	·24	·24	·24	·24	·24	·24	·24	·24	·24	·24	·24	1947
1948	·11	·14	·19	·21	·22	·23	·23	·23	·23	·23	·23	·23	·23	·23	·23	—	1948
1949	·11	·14	·18	·20	·21	·22	·22	·22	·22	·22	·22	·22	·22	·22	—	—	1949
1950	·11	·15	·19	·21	·22	·23	·23	·23	·23	·23	·23	·23	·23	—	—	—	1950
1951	·11	·15	·18	·20	·21	·21	·22	·22	·22	·22	·22	·22	—	—	—	—	1951
1952	·11	·15	·18	·21	·22	·22	·22	·22	·22	·22	·22	—	—	—	—	—	1952
1953	·11	·15	·18	·20	·21	·22	·22	·22	·22	·22	—	—	—	—	—	—	1953
1954	·11	·15	·19	·22	·22	·23	·23	·23	·23	—	—	—	—	—	—	—	1954
1955	·11	·15	·19	·21	·22	·23	·23	·23	—	—	—	—	—	—	—	—	1955
1956	·11	·17	·21	·23	·24	·25	·25	—	—	—	—	—	—	—	—	—	1956
1957	·11	·15	·18	·20	·22	·22	—	—	—	—	—	—	—	—	—	—	1957
1958	·11	·16	·21	·23	·25	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·11	·16	·21	·23	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·11	·18	·23	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·11	·18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961
1962	·11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1962

Table 2 (a).—All marriage ages under 45

Fertility rates

Calendar year of marriage	Marriage duration (completed years)																													Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·367	·297	·222	·189	·164	·146	·128	·118	·101	·087	·076	·065	·057	·050	·044	·037	·030	·026	·022	·018	·014	·010	·008	·005	·004	·002	·001	·000	·000	·000	·000	1920–24
1925	·351	·274	·200	·178	·149	·140	·117	·105	·090	·080	·073	·062	·053	·044	·040	·032	·030	·027	·024	·019	·016	·012	·009	·004	·003	·001	·001	·000	·000	·000	·000	1925
1926	·338	·265	·199	·170	·150	·133	·114	·097	·092	·080	·072	·058	·053	·045	·042	·037	·031	·031	·025	·022	·017	·013	·007	·005	·002	·002	·000	·000	·001	·000	·000	1926
1927	·342	·256	·193	·170	·150	·126	·111	·104	·090	·079	·066	·061	·049	·041	·037	·036	·032	·031	·024	·019	·015	·009	·006	·004	·002	·001	·000	·001	·000	·000	·000	1927
1928	·319	·276	·194	·168	·141	·126	·107	·103	·089	·080	·070	·059	·046	·044	·039	·038	·037	·030	·025	·018	·014	·009	·006	·003	·002	·001	·000	·000	·000	·000	*·000*	1928
1929	·338	·260	·192	·162	·143	·133	·115	·100	·090	·082	·070	·058	·049	·047	·045	·040	·032	·029	·021	·016	·011	·007	·005	·003	·002	·001	·000	·000	·000	*·000*	*·000*	1929
1930	·332	·263	·193	·167	·149	·134	·115	·102	·089	·073	·062	·058	·055	·053	·050	·041	·035	·027	·018	·015	·009	·007	·005	·003	·002	·001	·000	·001	·000	·000	·000	1930
1931	·329	·250	·184	·166	·146	·133	·116	·101	·087	·068	·066	·063	·065	·056	·051	·049	·036	·025	·019	·014	·008	·006	·005	·003	·001	·002	·000	·000	·000	·000	*·000*	1931
1932	·326	·239	·187	·165	·149	·128	·116	·097	·074	·074	·075	·074	·073	·061	·057	·045	·031	·025	·016	·012	·009	·007	·004	·003	·002	·001	·000	·000	·000	*·000*	—	1932
1933	·315	·249	·183	·163	·145	·130	·113	·082	·079	·083	·083	·079	·066	·066	·052	·038	·028	·020	·014	·011	·009	·006	·003	·003	·001	·001	·000	·000	*·000*	—	—	1933
1934	·314	·244	·186	·166	·144	·125	·093	·089	·096	·097	·088	·073	·072	·057	·042	·032	·025	·018	·013	·011	·008	·005	·003	·003	·001	·000	·000	·000	—	—	—	1934
1935	·306	·240	·191	·168	·132	·108	·103	·111	·113	·095	·089	·084	·067	·050	·038	·030	·022	·017	·013	·011	·007	·005	·004	·002	·002	·001	·000	—	—	—	—	1935
1936	·294	·237	·188	·161	·123	·115	·118	·121	·110	·100	·096	·076	·056	·044	·034	·025	·021	·018	·013	·009	·007	·006	·003	·002	·001	·001	—	—	—	—	—	1936
1937	·279	·239	·180	·137	·125	·139	·136	·122	·119	·116	·094	·068	·055	·042	·032	·026	·020	·017	·012	·010	·008	·005	·003	·002	·002	—	—	—	—	—	—	1937
1938	·291	·236	·169	·150	·151	·149	·139	·128	·134	·106	·079	·064	·053	·039	·030	·026	·020	·015	·013	·010	·008	·006	·004	·003	—	—	—	—	—	—	—	1938
1939	·229	·217	·179	·171	·168	·154	·145	·157	·126	·094	·076	·064	·054	·038	·031	·026	·024	·018	·014	·011	·009	·006	·004	—	—	—	—	—	—	—	—	1939
1940	·189	·215	·185	·176	·161	·164	·177	·145	·107	·086	·069	·053	·048	·038	·032	·027	·022	·018	·014	·012	·009	·006	—	—	—	—	—	—	—	—	—	1940
1941	·186	·236	·192	·178	·172	·194	·166	·124	·101	·084	·065	·056	·050	·038	·033	·028	·023	·020	·015	·013	·009	—	—	—	—	—	—	—	—	—	—	1941
1942	·196	·241	·192	·190	·207	·186	·147	·121	·099	·083	·067	·059	·049	·041	·034	·030	·026	·020	·017	·015	—	—	—	—	—	—	—	—	—	—	—	1942
1943	·241	·259	·204	·222	·203	·165	·138	·112	·088	·081	·066	·055	·046	·041	·035	·030	·025	·022	·018	—	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·246	·288	·255	·222	·183	·153	·130	·103	·088	·079	·063	·054	·048	·041	·036	·030	·026	·021	—	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·237	·322	·258	·204	·176	·150	·121	·107	·090	·078	·064	·057	·047	·042	·034	·030	·024	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·283	·330	·234	·194	·168	·149	·125	·109	·091	·076	·066	·058	·049	·041	·036	·031	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·301	·313	·227	·190	·171	·153	·128	·108	·093	·079	·072	·059	·051	·044	·039	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·293	·298	·221	·197	·178	·157	·128	·111	·097	·085	·073	·060	·055	·046	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·290	·291	·213	·201	·182	·158	·134	·114	·099	·086	·074	·064	·054	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·303	·276	·224	·213	·191	·174	·152	·131	·111	·095	·087	·071	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·267	·266	·214	·203	·186	·169	·147	·126	·104	·092	·081	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·273	·267	·214	·207	·195	·177	·151	·129	·116	·094	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·274	·266	·226	·217	·204	·180	·154	·134	·114	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·275	·260	·230	·222	·208	·184	·161	·135	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·286	·270	·237	·226	·207	·191	·159	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·296	·277	·251	·234	·219	·194	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·298	·279	·252	·249	·224	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·310	·285	·265	·253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·314	·289	·272	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·328	·296	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·344	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961

Calendar year of marriage	Marriage duration (completed years)																													Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·535	·352	·280	·236	·219	·202	·177	·179	·156	·141	·139	·122	·115	·104	·100	·092	·079	·077	·067	·061	·050	·046	·037	·031	·022	·016	·008	·003	·001	·001	·000	1920–24
1925	·545	·307	·273	·230	·198	·193	·152	·162	·155	·126	·123	·120	·100	·100	·084	·068	·086	·073	·075	·064	·064	·055	·041	·026	·017	·011	·006	·003	·002	·000	·000	1925
1926	·556	·315	·256	·209	·199	·182	·156	·145	·146	·138	·133	·111	·110	·095	·090	·032	·077	·076	·072	·075	·063	·047	·032	·022	·015	·009	·004	·003	·002	*·000*	*·000*	1926
1927	·580	·295	·235	·213	·205	·169	·155	·152	·127	·149	·119	·112	·104	·098	·091	·093	·072	·101	·075	·067	·051	·036	·026	·018	·013	·009	·004	·003	·001	*·001*	*·000*	1927
1928	·564	·342	·240	·231	·186	·171	·154	·160	·136	·140	·112	·111	·099	·102	·099	·091	·096	·091	·085	·066	·050	·036	·028	·017	·012	·009	·005	·002	*·001*	*·001*	*·000*	1928
1929	·614	·307	·248	·211	·191	·170	·164	·160	·144	·130	·133	·119	·091	·100	·090	·091	·095	·084	·066	·050	·037	·030	·024	·015	·011	·008	·004	·002	·001	*·000*	*·000*	1929
1930	·596	·332	·241	·219	·190	·191	·168	·147	·128	·139	·116	·099	·106	·100	·109	·079	·093	·075	·056	·044	·035	·031	·024	·017	·011	·007	·004	·002	·001	*·001*	*·000*	1930
1931	·609	·292	·226	·218	·199	·180	·165	·152	·144	·120	·118	·110	·114	·107	·095	·111	·089	·069	·054	·044	·037	·028	·023	·017	·011	·006	·004	·002	·001	*·000*	*·000*	1931
1932	·591	·298	·244	·205	·194	·172	·169	·137	·128	·130	·125	·127	·113	·125	·128	·107	·081	·075	·052	·040	·038	·030	·022	·015	·011	·007	·004	·002	·001	*·000*	—	1932
1933	·595	·298	·232	·205	·199	·173	·154	·129	·122	·133	·136	·127	·131	·139	·117	·091	·073	·059	·046	·038	·035	·027	·021	·014	·010	·006	·003	·002	*·001*	—	—	1933
1934	·613	·297	·239	·200	·197	·182	·144	·148	·141	·149	·146	·142	·150	·128	·101	·081	·067	·053	·045	·038	·033	·025	·018	·014	·009	·005	·003	·002	—	—	—	1934
1935	·591	·298	·246	·201	·186	·169	·160	·153	·155	·128	·145	·151	·131	·105	·085	·070	·058	·052	·045	·038	·031	·024	·019	·014	·010	·006	·003	—	—	—	—	1935
1936	·581	·306	·241	·216	·173	·159	·170	·148	·153	·159	·160	·140	·113	·093	·077	·065	·058	·052	·044	·039	·034	·026	·020	·013	·011	·007	—	—	—	—	—	1936
1937	·562	·298	·239	·187	·182	·179	·166	·163	·172	·179	·154	·126	·105	·089	·077	·069	·063	·056	·046	·041	·034	·028	·022	·016	·010	—	—	—	—	—	—	1937
1938	·580	·312	·229	·194	·195	·173	·158	·184	·182	·152	·124	·106	·096	·078	·069	·052	·055	·047	·043	·038	·032	·026	·020	·014	—	—	—	—	—	—	—	1938
1939	·412	·265	·233	·194	·191	·190	·184	·216	·178	·142	·122	·110	·101	·076	·071	·061	·060	·049	·043	·038	·032	·027	·019	—	—	—	—	—	—	—	—	1939
1940	·308	·267	·219	·186	·187	·208	·228	·196	·146	·124	·110	·094	·086	·072	·066	·058	·052	·048	·039	·036	·031	·024	—	—	—	—	—	—	—	—	—	1940
1941	·289	·272	·216	·198	·208	·251	·225	·169	·140	·127	·111	·097	·086	·066	·063	·057	·052	·045	·038	·036	·029	—	—	—	—	—	—	—	—	—	—	1941
1942	·280	·252	·229	·221	·251	·237	·187	·157	·134	·114	·107	·093	·082	·070	·063	·060	·052	·043	·042	·036	—	—	—	—	—	—	—	—	—	—	—	1942
1943	·318	·274	·242	·254	·246	·205	·174	·147	·127	·115	·102	·085	·074	·067	·061	·055	·048	·044	·039	—	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·346	·302	·285	·269	·225	·193	·168	·134	·118	·109	·099	·084	·079	·068	·060	·057	·053	·045	—	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·311	·358	·305	·253	·217	·191	·167	·149	·128	·110	·100	·091	·083	·073	·063	·060	·053	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·382	·386	·285	·238	·209	·192	·173	·153	·131	·119	·111	·098	·085	·073	·070	·062	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·429	·376	·274	·238	·209	·193	·169	·148	·135	·122	·116	·100	·089	·081	·072	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·440	·363	·268	·247	·221	·205	·173	·151	·139	·131	·117	·099	·094	·084	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·449	·359	·274	·258	·229	·203	·178	·154	·141	·128	·116	·105	·091	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·481	·315	·281	·265	·234	·221	·199	·176	·156	·138	·135	·115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·429	·318	·277	·258	·238	·214	·194	·169	·148	·134	·123	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·437	·318	·272	·260	·244	·219	·195	·169	·160	·136	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·444	·316	·278	·268	·251	·222	·191	·169	·152	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·432	·314	·277	·263	·250	·221	·197	·166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·418	·317	·284	·265	·235	·219	·191	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·424	·326	·295	·267	·249	·221	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·420	·327	·297	·282	·251	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·433	·331	·303	·283	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·439	·330	·311	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·468	·338	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961

Table 2 (c).—Marriage age 20–24

Fertility rates

Calendar year of marriage	Marriage duration (completed years)																													Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·409	·319	·242	·206	·182	·165	·146	·135	·120	·105	·092	·080	·072	·064	·057	·049	·041	·034	·029	·024	·018	·012	·009	·006	·003	·001	·001	·000	·000	·000	·000	1920–24
1925	·401	·297	·221	·198	·160	·164	·130	·121	·106	·097	·087	·077	·071	·055	·054	·046	·042	·038	·033	·027	·019	·014	·009	·005	·002	·001	·000	·000	·000	·000		1925
1926	·382	·289	·215	·190	·172	·151	·130	·112	·110	·095	·087	·073	·068	·057	·056	·049	·045	·045	·034	·028	·022	·015	·009	·005	·002	·002	·000	·000	·000			1926
1927	·389	·280	·211	·192	·169	·143	·123	·123	·107	·092	·077	·072	·061	·051	·046	·047	·044	·040	·032	·024	·018	·011	·007	·004	·002	·001	·000	·000				1927
1928	·355	·301	·212	·184	·159	·142	·123	·121	·106	·093	·087	·072	·057	·054	·047	·050	·049	·038	·030	·022	·016	·011	·007	·002	·002	·000	·000					1928
1929	·383	·287	·208	·176	·160	·149	·132	·115	·107	·099	·080	·068	·063	·056	·061	·052	·038	·035	·026	·020	·015	·008	·005	·003	·002	·000						1929
1930	·369	·288	·207	·182	·166	·147	·128	·112	·104	·083	·072	·071	·066	·068	·063	·055	·043	·033	·023	·018	·012	·007	·005	·003	·002	·001						1930
1931	·362	·279	·198	·179	·160	·150	·129	·115	·098	·080	·078	·075	·081	·073	·068	·062	·046	·032	·025	·017	·009	·007	·005	·002	·001	·001					—	1931
1932	·360	·260	·200	·182	·165	·142	·131	·112	·084	·085	·089	·087	·092	·077	·070	·054	·038	·029	·021	·014	·011	·007	·005	·002	·001	·001				—	—	1932
1933	·343	·272	·199	·176	·156	·145	·132	·096	·093	·093	·099	·095	·083	·084	·065	·047	·037	·026	·018	·014	·010	·007	·003	·002	·001	·000			—	—	—	1933
1934	·345	·265	·203	·184	·156	·138	·106	·103	·116	·114	·102	·089	·088	·069	·052	·040	·032	·024	·017	·014	·009	·006	·004	·002	·001	·000		—	—	—	—	1934
1935	·336	·263	·204	·186	·146	·115	·120	·130	·129	·111	·109	·105	·084	·062	·050	·039	·030	·023	·017	·014	·009	·006	·004	·002	·001	·000	—	—	—	—	—	1935
1936	·322	·252	·203	·174	·139	·125	·130	·134	·128	·120	·115	·092	·070	·055	·045	·033	·028	·023	·017	·012	·008	·006	·004	·002	·001	·000	—	—	—	—	—	1936
1937	·301	·258	·192	·154	·139	·149	·149	·132	·137	·134	·109	·082	·067	·054	·040	·032	·026	·021	·015	·012	·008	·005	·003	·002	·001	—	—	—	—	—	—	1937
1938	·298	·254	·179	·167	·164	·163	·153	·142	·153	·122	·093	·077	·066	·048	·037	·031	·026	·019	·015	·012	·008	·006	·004	·002	—	—	—	—	—	—	—	1938
1939	·228	·226	·190	·186	·184	·168	·160	·175	·141	·106	·088	·074	·063	·044	·036	·031	·028	·021	·016	·012	·008	·006	·003	—	—	—	—	—	—	—	—	1939
1940	·189	·222	·192	·189	·175	·174	·197	·160	·119	·098	·079	·059	·055	·043	·037	·031	·026	·021	·016	·012	·009	·006	—	—	—	—	—	—	—	—	—	1940
1941	·179	·248	·205	·191	·184	·210	·181	·135	·111	·095	·071	·062	·057	·045	·039	·031	·027	·022	·017	·013	·009	—	—	—	—	—	—	—	—	—	—	1941
1942	·192	·258	·202	·197	·223	·199	·158	·133	·110	·092	·074	·064	·055	·045	·039	·033	·028	·023	·018	·014	—	—	—	—	—	—	—	—	—	—	—	1942
1943	·244	·280	·202	·236	·217	·176	·149	·123	·096	·088	·071	·060	·051	·046	·040	·034	·028	·025	·019	—	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·241	·303	·269	·234	·192	·163	·139	·112	·095	·085	·068	·059	·051	·046	·040	·033	·027	·023	—	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·240	·336	·269	·213	·184	·159	·128	·112	·096	·084	·069	·062	·051	·045	·038	·033	·027	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·297	·348	·246	·206	·180	·163	·135	·118	·099	·083	·073	·064	·056	·047	·042	·036	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·311	·326	·235	·199	·180	·162	·136	·117	·100	·086	·078	·066	·056	·050	·045	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·297	·306	·227	·203	·185	·166	·135	·119	·105	·091	·078	·066	·060	·051	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·289	·298	·215	·206	·188	·166	·141	·122	·106	·091	·080	·068	·060	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·290	·282	·224	·218	·200	·185	·161	·140	·118	·102	·092	·076	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·249	·267	·213	·207	·191	·177	·155	·134	·111	·098	·085	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·253	·269	·212	·212	·202	·186	·159	·137	·122	·100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·249	·264	·225	·222	·209	·189	·163	·142	·121	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·249	·254	·228	·225	·214	·192	·168	·143	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·260	·264	·237	·229	·216	·201	·166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·267	·270	·248	·237	·226	·204	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·268	·272	·246	·251	·232	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·275	·276	·261	·257	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·278	·281	·267	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·283	·286	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·293	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961

Calendar year of marriage	Marriage duration (exact years)																												Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·302	·285	·205	·175	·149	·130	·112	·102	·083	·070	·056	·047	·036	·030	·023	·016	·010	·007	·005	·003	·001	·001	·001	·000	·000	—	—	—	—	—	—	1920–24
1925	·263	·261	·173	·160	·143	·118	·114	·086	·072	·062	·060	·040	·032	·027	·019	·012	·008	·007	·004	·001	·003	·003	·001	·000	·000	—	—	—	—	—	—	1925
1926	·254	·247	·190	·156	·128	·125	·100	·084	·071	·064	·053	·041	·029	·026	·020	·019	·008	·006	·005	·004	·005	·002	·001	·000	·000	—	—	—	—	—	—	1926
1927	·244	·236	·178	·151	·132	·108	·105	·086	·077	·062	·051	·048	·031	·024	·021	·017	·011	·007	·006	·006	·004	·002	·000	·000	·000	—	—	—	—	—	—	1927
1928	·238	·251	·180	·154	·132	·112	·093	·084	·074	·062	·054	·040	·030	·026	·021	·017	·012	·008	·008	·006	·003	·002	·000	·000	·000	—	—	—	—	—	—	1928
1929	·233	·238	·181	·154	·132	·125	·097	·084	·069	·065	·055	·040	·033	·033	·022	·021	·014	·012	·007	·005	·003	·001	·000	·000	·000	—	—	—	—	—	—	1929
1930	·245	·231	·182	·156	·136	·126	·104	·100	·078	·057	·046	·042	·040	·035	·026	·022	·016	·010	·007	·005	·001	·000	·000	·000	·000	—	—	—	—	—	—	1930
1931	·233	·229	·174	·156	·132	·122	·104	·088	·074	·052	·049	·047	·046	·033	·025	·024	·015	·009	·006	·002	·002	·000	·000	·000		—	—	—	—	—	—	1931
1932	·230	·217	·173	·151	·137	·120	·101	·080	·059	·061	·057	·059	·054	·036	·034	·025	·015	·009	·004	·002	·001	·000	·000			—	—	—	—	—	—	1932
1933	·227	·231	·174	·153	·137	·120	·097	·064	·061	·073	·065	·062	·043	·037	·028	·019	·012	·006	·003	·002	·001	·000				—	—	—	—	—	—	1933
1934	·224	·228	·172	·155	·139	·112	·080	·070	·083	·082	·078	·053	·046	·036	·024	·017	·011	·005	·003	·002	·001					—	—	—	—	—	—	1934
1935	·226	·220	·184	·163	·119	·102	·085	·093	·109	·089	·070	·061	·044	·031	·022	·014	·008	·005	·003	·002	·001					—	—	—	—	—	—	1935
1936	·218	·225	·175	·153	·109	·110	·110	·120	·096	·081	·079	·057	·038	·027	·018	·012	·008	·005	·003	·001	·001					—	—	—	—	—	—	1936
1937	·199	·223	·170	·118	·112	·141	·139	·123	·108	·105	·081	·054	·037	·027	·017	·012	·007	·005	·002	·001	·001					—	—	—	—	—	—	1937
1938	·216	·208	·156	·134	·144	·149	·139	·123	·125	·097	·068	·049	·038	·025	·017	·012	·007	·004	·003	·001	·001					—	—	—	—	—	—	1938
1939	·178	·204	·168	·165	·161	·144	·135	·142	·112	·080	·061	·046	·036	·024	·017	·013	·009	·005	·003	·001	·001					—	—	—	—	—	—	1939
1940	·153	·195	·185	·178	·147	·158	·161	·131	·095	·074	·054	·038	·034	·025	·017	·012	·007	·005	·003	·002	·001	—	—	—	—	—	—	—	—	—	—	1940
1941	·157	·219	·180	·174	·163	·175	·148	·110	·088	·066	·045	·040	·032	·022	·015	·012	·008	·004	·003	·002	·001	—	—	—	—	—	—	—	—	—	—	1941
1942	·170	·236	·177	·187	·188	·164	·130	·104	·081	·065	·049	·041	·031	·022	·016	·012	·008	·005	·003	·001	—	—	—	—	—	—	—	—	—	—	—	1942
1943	·217	·249	·214	·212	·187	·152	·123	·097	·069	·064	·049	·041	·030	·023	·016	·012	·006	·006	·003	—	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·215	·290	·248	·205	·168	·141	·114	·090	·078	·069	·048	·039	·033	·025	·019	·012	·010	·006	—	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·213	·319	·245	·193	·167	·139	·110	·099	·081	·068	·053	·041	·034	·026	·018	·013	·010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·262	·317	·223	·185	·158	·137	·113	·101	·081	·066	·055	·045	·035	·027	·020	·014	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·272	·298	·219	·182	·171	·155	·121	·102	·083	·069	·057	·045	·035	·029	·021	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·255	·283	·217	·192	·173	·148	·118	·100	·084	·070	·057	·046	·038	·028	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·238	·268	·201	·185	·172	·147	·120	·102	·083	·070	·056	·046	·034	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·249	·269	·216	·203	·178	·158	·136	·113	·095	·078	·069	·049	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·225	·257	·204	·192	·176	·154	·130	·108	·088	·077	·063	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·227	·257	·206	·193	·179	·162	·135	·113	·098	·076	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·225	·257	·220	·204	·193	·165	·137	·118	·096	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·228	·255	·228	·215	·200	·172	·148	·120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·251	·269	·224	·222	·196	·179	·145	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·258	·269	·247	·231	·208	·184	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·265	·272	·251	·248	·215	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·275	·280	·264	·249	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·277	·289	·274	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·292	·293	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·304	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961

Table 2 (e).—Marriage age 30–34

Fertility rates

Calendar year of marriage	Marriage duration (exact years)																													Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1920–24	·276	·244	·182	·152	·121	·103	·082	·068	·046	·036	·025	·021	·012	·007	·005	·004	·002	·002	·001	·001	·000	·000	·000	—	—	—	—	—	—	—	—	1920–24
1925	·268	·238	·160	·144	·116	·083	·068	·063	·050	·032	·025	·019	·010	·005	·002	·002	·001	·001	·000	·001	·000	·000	·000	—	—	—	—	—	—	—	—	1925
1926	·228	·207	·156	·121	·109	·072	·063	·057	·044	·021	·020	·008	·009	·007	·004	·000	·001	·000	·001	·000	·000	·000	·000	—	—	—	—	—	—	—	—	1926
1927	·241	·221	·164	·130	·101	·100	·062	·055	·038	·031	·028	·015	·007	·002	·001	·000	·002	·001	·001	·000	·000	·000	·000	—	—	—	—	—	—	—	—	1927
1928	·211	·222	·151	·114	·084	·082	·059	·054	·027	·031	·019	·010	·006	·003	·004	·002	·002	·002	·001	·000	·000	·000	·000	—	—	—	—	—	—	—	—	1928
1929	·226	·208	·135	·119	·094	·081	·070	·047	·045	·031	·018	·016	·007	·001	·002	·001	·003	·002	·001	·000	·000	·000	·000	—	—	—	—	—	—	—	—	1929
1930	·207	·220	·153	·118	·104	·076	·062	·044	·041	·028	·024	·015	·009	·005	·006	·004	·004	·002	·001	·000	·000	·000	·000	—	—	—	—	—	—	—	—	1930
1931	·211	·186	·142	·122	·098	·073	·072	·049	·029	·026	·024	·016	·009	·007	·006	·006	·004	·002	·001	·000	·000	·000	·000	—	—	—	—	—	—	—	—	1931
1932	·239	·188	·162	·130	·097	·082	·067	·056	·039	·027	·023	·029	·008	·011	·009	·006	·003	·002	·000	·000	·000	·000	·000	—	—	—	—	—	—	—	—	1932
1933	·223	·196	·139	·135	·101	·091	·061	·049	·055	·035	·039	·023	·014	·012	·008	·005	·003	·001	·000	·000	·000	·000		—	—	—	—	—	—	—	—	1933
1934	·210	·194	·142	·123	·096	·078	·055	·048	·033	·038	·026	·019	·017	·012	·008	·005	·002	·000	·000	·000	·000			—	—	—	—	—	—	—	—	1934
1935	·211	·206	·148	·117	·092	·076	·060	·067	·052	·036	·028	·023	·015	·010	·007	·002	·001	·000	·000	·000				—	—	—	—	—	—	—	—	1935
1936	·196	·189	·151	·117	·080	·074	·077	·075	·060	·042	·031	·022	·013	·008	·004	·001	·000	·000	·000					—	—	—	—	—	—	—	—	1936
1937	·207	·200	·140	·098	·088	·090	·089	·073	·055	·042	·029	·019	·012	·005	·002	·002	·000	·000						—	—	—	—	—	—	—	—	1937
1938	·202	·207	·130	·116	·103	·115	·093	·061	·061	·042	·025	·017	·010	·005	·002	·002	·000							—	—	—	—	—	—	—	—	1938
1939	·171	·184	·134	·122	·133	·113	·083	·085	·061	·037	·023	·014	·009	·004	·002	·001							—	—	—	—	—	—	—	—	—	1939
1940	·150	·189	·156	·133	·135	·113	·094	·071	·047	·029	·017	·012	·008	·004	·002	·001						—	—	—	—	—	—	—	—	—	—	1940
1941	·154	·215	·159	·130	·126	·118	·094	·063	·042	·028	·014	·011	·009	·003	·002	*·001*					—	—	—	—	—	—	—	—	—	—	—	1941
1942	·152	·198	·142	·160	·148	·121	·090	·063	·043	·029	·016	·012	·009	·004	·002	*·001*			—	—	—	—	—	—	—	—	—	—	—	—	—	1942
1943	·171	·202	·194	·172	·143	·111	·083	·057	·037	·028	·017	·013	·006	·004	·002	*·001*		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1943
1944	·202	·248	·212	·170	·134	·105	·080	·052	·038	·027	·016	·011	·007	·004	·003	·001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1944
1945	·188	·272	·205	·157	·129	·101	·071	·057	·039	·030	·019	·012	·007	·004	·001	·001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1945
1946	·194	·277	·190	·152	·122	·104	·077	·058	·041	·027	·019	·013	·007	·003	·002	·001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1946
1947	·191	·263	·187	·149	·121	·101	·076	·056	·040	·027	·019	·012	·008	·004	·003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1947
1948	·175	·247	·183	·153	·130	·105	·076	·058	·038	·030	·020	·011	·008	·004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1948
1949	·176	·243	·177	·160	·131	·109	·077	·062	·044	·029	·021	·013	·008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1949
1950	·230	·259	·190	·169	·144	·117	·087	·071	·050	·036	·025	·016	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1950
1951	·207	·240	·174	·155	·137	·109	·084	·061	·046	·030	·020	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1951
1952	·217	·245	·178	·163	·136	·114	·085	·065	·055	·033	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1952
1953	·212	·243	·186	·157	·141	·107	·086	·067	·045	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1953
1954	·218	·229	·191	·164	·142	·112	·090	·067	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1954
1955	·234	·237	·198	·162	·138	·119	·088	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1955
1956	·250	·247	·212	·177	·150	·121	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1956
1957	·243	·250	·206	·183	·152	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·247	·257	·218	·191	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·264	·261	·223	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·265	·270	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·275	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961

Table 2 (f).—Marriage age 35–39

Table 2 (g).—Marriage age 40–44

Fertility rates

Calendar year of marriage	Marriage duration (completed years)																Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1920–24	·213	·176	·108	·092	·062	·041	·029	·021	·015	·007	·007	·003	·002	·002	·000	·001	1920–24
1925	·216	·141	·108	·066	·047	·036	·031	·023	·008	·009	·008	·001	·002	·001	·002	·001	1925
1926	·199	·142	·083	·061	·031	·030	·026	·015	·007	·009	·008	·002	·005	·003	·003	·001	1926
1927	·208	·124	·088	·059	·038	·029	·019	·012	·010	·007	·001	·003	·000	·002	·003	·001	1927
1928	·182	·131	·089	·064	·025	·034	·013	·008	·010	·008	·003	·003	·004	·002	·001	·000	1928
1929	·177	·118	·094	·047	·038	·017	·027	·017	·003	·004	·008	·003	·002	·004	·000	·000	1929
1930	·160	·156	·092	·078	·045	·039	·014	·007	·010	·003	·001	·002	·000	·000	·000	·000	1930
1931	·187	·125	·082	·065	·067	·033	·016	·011	·008	·007	·000	·001	·000	·002	·000	·000	1931
1932	·160	·131	·085	·041	·045	·030	·018	·015	·004	·005	·000	·000	·000	·001	·001	·000	1932
1933	·178	·140	·076	·043	·037	·032	·010	·013	·001	·005	·001	·002	·002	·001	·001	·000	1933
1934	·180	·143	·086	·059	·041	·031	·021	·003	·002	·005	·002	·003	·002	·002	·000	·000	1934
1935	·136	·107	·072	·057	·029	·029	·011	·016	·007	·002	·001	·002	·002	·001	·001	·000	1935
1936	·166	·137	·085	·067	·041	·027	·032	·013	·013	·006	·004	·002	·002	·001	·000	·000	1936
1937	·134	·134	·094	·044	·030	·024	·024	·028	·010	·005	·004	·002	·001	·000	·000	·000	1937
1938	·151	·124	·087	·058	·043	·033	·039	·017	·011	·006	·004	·002	·000	·000	·000	·000	1938
1939	·123	·118	·076	·063	·056	·023	·035	·018	·011	·005	·002	·001	·000	·000	·000	·000	1939
1940	·103	·124	·077	·093	·042	·036	·029	·019	·009	·004	·001	·001	·000	·000	·000		1940
1941	·117	·137	·095	·076	·056	·044	·029	·015	·006	·003	·001	·001	·000	·000			1941
1942	·109	·137	·089	·071	·065	·043	·024	·015	·005	·002	·002	·000	·000				1942
1943	·116	·145	·102	·089	·062	·038	·022	·012	·005	·003	·002	·000					1943
1944	·112	·171	·120	·086	·056	·034	·019	·010	·006	·002	·001						1944
1945	·140	·176	·122	·081	·056	·033	·016	·010	·006	·002	*·001*						1945
1946	·136	·183	·113	·082	·053	·035	·021	·012	·006	·003	*·002*					—	1946
1947	·125	·174	·114	·076	·049	·034	·021	·014	·006	·003	*·001*				—	—	1947
1948	·121	·169	·110	·077	·050	·034	·020	·010	·006	·003	*·001*			—	—	—	1948
1949	·121	·160	·105	·079	·053	·037	·020	·010	·005	·004	*·001*		—	—	—	—	1949
1950	·152	·172	·110	·081	·057	·036	·021	·015	·006	·004	*·002*	—	—	—	—	—	1950
1951	·130	·155	·101	·075	·050	·030	·019	·012	·005	·002	*·002*	—	—	—	—	—	1951
1952	·132	·151	·095	·072	·048	·035	·021	·012	·006	·004	—	—	—	—	—	—	1952
1953	·145	·164	·098	·078	·048	·036	·020	·012	·005	—	—	—	—	—	—	—	1953
1954	·145	·161	·109	·076	·052	·036	·023	·014	—	—	—	—	—	—	—	—	1954
1955	·160	·156	·106	·083	·060	·040	·026	—	—	—	—	—	—	—	—	—	1955
1956	·168	·167	·120	·081	·060	·038	—	—	—	—	—	—	—	—	—	—	1956
1957	·167	·165	·128	·093	·064	—	—	—	—	—	—	—	—	—	—	—	1957
1958	·175	·179	·124	·088	—	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·181	·171	·126	—	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·182	·166	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·191	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961

Calendar year of marriage	Marriage duration (completed years)														Calendar year of marriage
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1920–24	·117	·058	·029	·023	·015	·010	·006	·011	·006	·003	·003	·005	·003	·002	·001	1920–24
1925	·048	·056	·029	·017	·002	·007	·012	·000	·000	·000	·006	·000	·000	·003	·000	1925
1926	·109	·034	·028	·013	·008	·004	·007	·006	·003	·013	·006	·000	·003	·004	·000	1926
1927	·107	·030	·008	·005	·007	·004	·002	·011	·006	·007	·004	·000	·000	·000	·000	1927
1928	·065	·037	·012	·010	·005	·002	·003	·000	·006	·000	·004	·003	·000	·003	·000	1928
1929	·106	·020	·009	·007	·006	·000	·001	·006	·006	·000	·003	·000	·002	·003	·000	1929
1930	·108	·038	·023	·009	·009	·010	·004	·003	·000	·000	·000	·000	·000	·000	·000	1930
1931	·087	·013	·015	·005	·000	·004	·000	·000	·004	·004	·003	·000	·000	·000	·000	1931
1932	·109	·007	·007	·004	·005	·001	·007	·000	·004	·003	·004	·000	·000	·000	·000	1932
1933	·097	·006	·003	·006	·001	·001	·000	·000	·000	·000	·000	·000	·000	·000	·000	1933
1934	·114	·038	·020	·014	·002	·002	·000	·000	·000	·000	·000	·000	·000	·000	·000	1934
1935	·078	·010	·009	·006	·004	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000	1935
1936	·061	·029	·014	·005	·010	·001	·002	·003	·002	·000	·000	·000	·000	·000	·000	1936
1937	·032	·026	·019	·008	·007	·002	·000	·000	·001	·000	·000	·000	·000	·000	·000	1937
1938	·077	·031	·024	·008	·003	·002	·000	·001	·000	·000	·000	·000	·000	·000	·000	1938
1939	·053	·031	·009	·013	·004	·000	·004	·001	·000	·000	·000	·000	·000	·000	·000	1939
1940	·026	·041	·014	·010	·005	·006	·002	·001	·000	·000	·000	·000	·000	·000	·000	1940
1941	·033	·045	·023	·017	·010	·003	·002	·000	·000	·000	·000	·000	·000	·000		1941
1942	·041	·055	·024	·012	·007	·005	·002	·001	·000	·000	·000	·000	·000			1942
1943	·056	·050	·023	·016	·008	·004	·002	·000	·000	·000	·000	·000				1943
1944	·047	·046	·029	·016	·007	·003	·001	·000	·000	·000	·000					1944
1945	·040	·049	·030	·014	·007	·003	·001	·000	·000	·000						1945
1946	·040	·051	·028	·014	·007	·003	·002	·000	·000							1946
1947	·038	·050	·029	·012	·005	·003	·000	·000								1947
1948	·036	·047	·023	·006	·006	·003	·000									1948
1949	·036	·040	·021	·007	·006	·002										1949
1950	·045	·034	·025	·008	·006	*·003*										1950
1951	·042	·033	·020	·007	·004	*·002*										1951
1952	·039	·035	·024	·009	·004	*·002*										1952
1953	·041	·035	·020	·009	*·004*	*·002*										1953
1954	·042	·043	·022	·010	·005	*·002*										1954
1955	·040	·039	·024	·013	·006	*·001*	—	—	—	—	—	—	—	—	—	1955
1956	·059	·039	·021	·011	·008	*·002*	—	—	—	—	—	—	—	—	—	1956
1957	·041	·035	·020	·011	·006	—	—	—	—	—	—	—	—	—	—	1957
1958	·055	·045	·024	·013	—	—	—	—	—	—	—	—	—	—	—	1958
1959	·053	·045	·024	—	—	—	—	—	—	—	—	—	—	—	—	1959
1960	·071	·059	—	—	—	—	—	—	—	—	—	—	—	—	—	1960
1961	·070	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1961

APPENDIX B

FERTILITY RATES BY BIRTH ORDER, ENGLAND AND WALES

Live births per woman married once only at integral marriage durations irrespective of parity

Note.—Figures are rounded and may not add to totals

1961–62

Calendar year of marriage	Marriage duration in completed years	Age at marriage																					
		All ages under 45						Under 20						20–24						25–29					
		Number of previous children																					
		Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more
1961	0	·344	·335	·007	·001	·001	·000	·480	·474	·006	·000	·000	·000	·293	·285	·006	·001	·000	·000	·304	·287	·011	·003	·002	·001
1960	1	·296	·221	·070	·003	·001	·000	·338	·220	·115	·003	·000	·000	·286	·227	·056	·003	·000	·000	·293	·233	·052	·005	·002	·001
1959	2	·272	·119	·133	·017	·002	·001	·311	·104	·179	·026	·001	·000	·267	·129	·121	·015	·001	·000	·274	·130	·123	·015	·004	·002
1958	3	·253	·077	·129	·041	·006	·001	·283	·062	·149	·063	·008	·001	·257	·089	·129	·034	·005	·001	·249	·081	·124	·035	·006	·002
1957	4	·224	·052	·105	·050	·014	·003	·251	·040	·113	·072	·023	·003	·232	·062	·112	·045	·011	·002	·215	·054	·103	·043	·011	·005
1956	5	·194	·036	·082	·051	·019	·006	·221	·028	·082	·070	·032	·009	·204	·043	·091	·049	·016	·005	·184	·037	·079	·045	·016	·007
1955	6	·159	·024	·061	·044	·020	·010	·191	·019	·061	·061	·034	·017	·166	·028	·068	·044	·018	·008	·145	·024	·059	·040	·015	·007
1954	7	·135	·017	·046	·039	·019	·013	·166	·013	·045	·052	·032	·024	·143	·021	·053	·040	·018	·011	·120	·016	·043	·035	·016	·009
1953	8	·114	·013	·035	·033	·018	·015	·152	·010	·035	·044	·032	·030	·121	·015	·041	·035	·017	·013	·096	·013	·032	·027	·014	·011
1952	9	·094	·009	·025	·027	·016	·016	·136	·007	·027	·040	·027	·035	·100	·010	·030	·029	·016	·014	·076	·009	·022	·022	·013	·010
1951	10	·081	·007	·019	·023	·015	·017	·123	·006	·020	·033	·027	·036	·085	·008	·023	·025	·015	·015	·063	·007	·017	·018	·011	·011
1950	11	·071	·005	·014	·020	·014	·018	·115	·005	·016	·029	·025	·040	·076	·006	·017	·022	·014	·017	·049	·004	·011	·014	·009	·011
1949	12	·054	·003	·010	·014	·011	·016	·091	·003	·011	·021	·020	·036	·060	·004	·012	·016	·012	·016	·034	·003	·007	·009	·007	·008
1948	13	·046	·002	·007	·011	·009	·016	·084	·002	·009	·018	·017	·038	·051	·003	·009	·013	·010	·015	·028	·002	·005	·007	·006	·008
1947	14	·039	·002	·005	·009	·008	·015	·072	·002	·008	·015	·014	·033	·045	·002	·007	·011	·009	·016	·021	·001	·004	·005	·004	·007
1946	15	·031	·001	·004	·007	·007	·013	·062	·002	·005	·011	·013	·031	·036	·001	·005	·009	·008	·014	·014	·001	·002	·004	·003	·005
1945	16	·024	·001	·002	·005	·005	·011	·053	·001	·004	·010	·010	·028	·027	·001	·003	·006	·006	·011	·010	·000	·001	·002	·002	·004
1944	17	·021	·000	·002	·004	·004	·010	·045	·001	·003	·007	·008	·025	·023	·001	·002	·005	·005	·010	·006	·000	·001	·001	·002	·002
1943	18	·018	·000	·001	·003	·004	·009	·039	·001	·003	·007	·007	·022	·019	·000	·002	·004	·004	·009	·003	·000	·000	·001	·001	·002
1942	19	·015	·000	·001	·003	·003	·008	·036	·000	·002	·006	·006	·021	·014	·000	·001	·003	·003	·007	·001	·000	·000	·000	·000	·001
1941	20	·009	·000	·001	·002	·002	·005	·029	·001	·002	·004	·005	·017	·009	·000	·001	·002	·002	·005	·001	—	—	·000	·000	·000
1940	21	·006	·000	·000	·001	·001	·004	·024	·000	·001	·003	·004	·016	·006	·000	·000	·001	·001	·003	—	—	—	—	—	—
1939	22	·004	·000	·000	·001	·001	·003	·019	·000	·001	·003	·003	·013	·003	·000	·000	·000	·001	·002	—	—	—	—	—	—
1938	23	·003	·000	·000	·000	·000	·002	·014	·000	·000	·001	·002	·011	·002	·000	·000	·000	·000	·001	—	—	—	—	—	—
1937	24	·002	·000	·000	·000	·000	·002	·010	·000	·000	·001	·001	·008	·001	·000	·000	·000	·000	·001	—	—	—	—	—	—
1936	25	·001	·000	·000	·000	·000	·001	·007	·000	·000	·000	·000	·006	·000	—	·000	·000	·000	·000	—	—	—	—	—	—

1961–62—*continued*

Calendar year of marriage	Marriage duration in completed years	Age at marriage																	
		30–34						35–39						40–44					
		Number of previous children																	
		Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more	Total	0	1	2	3	4 or more
1961	0	·275	·250	·013	·006	·003	·003	·191	·170	·010	·005	·003	·003	·070	·058	·004	·003	·003	·002
1960	1	·270	·211	·046	·007	·003	·002	·166	·135	·023	·004	·002	·002	·050	·040	·007	·001	·001	·002
1959	2	·223	·093	·106	·015	·005	·004	·126	·062	·049	·008	·004	·003	·024	·015	·006	·001	·000	·001
1958	3	·191	·055	·096	·030	·007	·004	·088	·025	·045	·012	·003	·003	·013	·006	·004	·001	·000	·001
1957	4	·152	·034	·069	·035	·009	·005	·064	·017	·025	·015	·005	·002	·006	·002	·002	·001	·001	—
1956	5	·121	·024	·047	·030	·013	·008	·038	·007	·015	·010	·004	·002	*·002*	—	*·001*	*·001*	—	*·000*
1955	6	·088	·014	·032	·023	·012	·007	·026	·005	·009	·006	·003	·003	—	—	—	—	—	—
1954	7	·067	·011	·021	·019	·009	·007	·014	·003	·004	·003	·002	·002	—	—	—	—	—	—
1953	8	·045	·006	·014	·010	·007	·007	·005	·001	·001	·001	·001	·001	—	—	—	—	—	—
1952	9	·033	·004	·009	·009	·006	·006	·004	·000	·001	·001	·001	·001	—	—	—	—	—	—
1951	10	·020	·003	·005	·005	·004	·004	*·002*	*·000*	*·000*	*·000*	*·001*	*·000*	—	—	—	—	—	—
1950	11	·016	·002	·003	·003	·003	·005	—	—	—	—	—	—	—	—	—	—	—	—
1949	12	·008	·001	·001	·001	·002	·002	—	—	—	—	—	—	—	—	—	—	—	—
1948	13	·004	·000	·001	·001	·001	·001	—	—	—	—	—	—	—	—	—	—	—	—
1947	14	·003	·000	·000	·000	·000	·001	—	—	—	—	—	—	—	—	—	—	—	—
1946	15	·001	·000	·000	·000	·000	·000	—	—	—	—	—	—	—	—	—	—	—	—
1945	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1944	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

APPENDIX C

AGE FERTILITY RATES IN REGIONS, CONURBATIONS AND URBAN/RURAL AGGREGATES, 1961

Table 1. All live births per 1,000 women

Area	Age of mother at birth						
	15–44	15–	20–	25–	30–	35–	40–44
ENGLAND AND WALES	**89·4**	**37·9**	**173·0**	**177·5**	**102·7**	**47·7**	**15·1**
Regions and conurbations:							
Northern	**93·6**	**34·2**	**182·5**	**182·6**	**107·3**	**52·8**	**17·2**
Tyneside Conurbation	92·3	31·1	177·0	183·8	109·3	53·5	17·0
Remainder of Northern	94·0	35·3	184·5	182·2	106·6	52·5	17·3
East and West Ridings	**90·2**	**36·9**	**180·7**	**181·7**	**99·0**	**47·3**	**14·7**
West Yorkshire Conurbation	90·9	39·1	182·3	184·8	98·4	45·2	13·9
Remainder of East and West Ridings	89·7	35·5	179·7	179·6	99·4	48·7	15·2
North Western	**94·8**	**40·3**	**185·4**	**185·5**	**108·8**	**52·4**	**16·5**
South East Lancashire Conurbation	94·7	42·4	187·2	185·2	106·8	51·8	16·4
Merseyside Conurbation	105·7	42·1	194·8	197·4	125·3	62·1	20·1
Remainder of North Western	89·0	37·3	178·0	179·2	102·0	48·3	15·0
North Midland	**90·8**	**38·5**	**186·1**	**178·6**	**101·4**	**46·7**	**15·0**
Midland	**91·5**	**38·5**	**172·5**	**180·6**	**108·4**	**52·2**	**16·9**
West Midlands Conurbation	92·7	39·3	170·0	182·0	111·9	55·3	17·7
Remainder of Midland	90·4	37·6	175·1	179·2	105·2	49·2	16·1
Eastern	**90·5**	**38·7**	**180·8**	**181·0**	**99·1**	**44·9**	**14·4**
London and South Eastern	**82·6**	**35·6**	**148·7**	**165·9**	**99·2**	**44·1**	**13·5**
Greater London Conurbation	82·1	35·9	143·5	162·5	99·5	44·4	13·6
Remainder of London and South Eastern	84·4	34·8	167·5	177·0	98·5	43·4	13·4
Southern	**94·0**	**42·3**	**186·0**	**184·7**	**106·1**	**45·3**	**14·4**
South Western	**88·0**	**37·3**	**181·0**	**179·2**	**97·6**	**45·0**	**14·9**
Wales	**88·2**	**40·2**	**180·1**	**172·2**	**101·8**	**48·4**	**15·6**
Wales I (South East)	88·2	42·1	184·1	171·3	99·6	46·3	14·8
Wales II (remainder)	88·4	35·4	169·4	174·8	107·8	54·4	17·6
Urban/Rural aggregates:							
Conurbations	88·6	37·9	162·2	174·4	104·8	48·9	15·2
Areas outside conurbations:							
Urban areas with populations of 100,000 and over	85·0	38·6	168·0	168·1	96·9	44·9	14·7
Urban areas with populations of 50,000 and under 100,000	72·9	33·8	150·9	139·0	78·4	37·0	12·4
Urban areas with populations under 50,000	100·4	42·0	201·8	203·3	114·2	52·4	16·2
Rural districts	90·4	34·8	181·0	181·7	102·4	47·4	15·2

Table 2. Legitimate live births per 1,000 married women

Area	Age of mother at birth						
	15–44	15–	20–	25–	30–	35–	40–44
ENGLAND AND WALES	**124·0**	**462·5**	**281·1**	**204·7**	**112·6**	**51·7**	**16·4**
Regions and conurbations:							
Northern	**129·6**	**503·3**	**296·3**	**206·9**	**116·8**	**57·1**	**18·8**
Tyneside Conurbation	128·7	499·0	294·6	209·0	119·5	58·1	18·2
Remainder of Northern	129·9	504·7	296·8	206·1	115·8	56·7	19·0
East and West Ridings	**122·5**	**468·5**	**278·8**	**202·6**	**105·8**	**50·5**	**15·5**
West Yorkshire Conurbation	122·5	474·7	285·3	206·9	105·1	47·8	14·6
Remainder of East and West Ridings	122·4	464·4	274·7	199·9	106·3	52·3	16·1
North Western	**132·4**	**518·8**	**305·3**	**213·0**	**119·2**	**57·1**	**18·2**
South East Lancashire Conurbation	129·2	500·0	296·9	209·4	115·1	55·5	17·6
Merseyside Conurbation	157·0	576·8	350·3	236·6	142·6	70·2	23·1
Remainder of North Western	123·1	505·6	288·8	204·0	111·3	52·4	16·4
North Midland	**120·6**	**428·3**	**273·7**	**196·6**	**107·1**	**48·9**	**15·7**
Midland	**124·7**	**457·1**	**268·3**	**203·6**	**116·8**	**55·4**	**17·8**
West Midlands Conurbation	126·3	457·7	266·2	206·1	120·5	58·6	18·6
Remainder of Midland	123·1	456·5	270·3	201·2	113·3	52·4	17·1
Eastern	**120·6**	**440·8**	**274·6**	**202·9**	**106·1**	**47·7**	**15·4**
London and South Eastern	**119·4**	**437·0**	**266·8**	**204·4**	**113·4**	**49·2**	**14·9**
Greater London Conurbation	119·5	438·2	263·6	203·3	114·6	49·5	14·9
Remainder of London and South Eastern	119·2	433·8	277·0	207·5	110·1	48·2	14·9
Southern	**127·5**	**443·8**	**286·8**	**209·5**	**114·9**	**48·6**	**15·4**
South Western	**122·5**	**451·2**	**287·1**	**204·9**	**106·7**	**49·0**	**16·5**
Wales	**124·0**	**508·8**	**296·4**	**197·1**	**112·9**	**53·1**	**17·2**
Wales I (South East)	121·9	503·7	290·5	193·3	109·1	50·2	16·3
Wales II (remainder)	130·3	526·4	315·5	208·5	123·3	61·6	19·8
Urban/Rural aggregates:							
Conurbations	125·7	468·0	279·8	208·0	117·1	53·6	16·6
Areas outside conurbations:							
Urban areas with populations of 100,000 and over	116·8	436·1	265·9	191·0	104·3	47·9	15·7
Urban areas with populations of 50,000 and under 100,000	98·2	386·7	230·9	155·7	84·2	39·8	13·3
Urban areas with populations under 50,000	137·5	508·3	313·2	229·5	124·1	56·6	17·6
Rural districts	124·0	461·2	285·5	205·7	111·4	51·3	16·6

Table 3. Illegitimate live births per 1,000 single, widowed and divorced women

Area	Age of mother at birth						
	15–44	15–	20–	25–	30–	35–	40–44
ENGLAND AND WALES	16·59	8·06	25·38	40·23	33·61	19·57	7·37
Regions and conurbations:							
Northern	13·06	6·24	19·74	30·97	28·95	19·26	7·06
Tyneside Conurbation	14·70	6·24	22·35	38·91	29·88	20·69	9·64
Remainder of Northern	12·43	6·24	18·70	27·84	28·60	18·69	5·99
East and West Ridings	16·91	7·08	26·12	50·05	41·71	21·49	9·24
West Yorkshire Conurbation	20·47	8·08	31·08	60·41	46·72	25·63	9·58
Remainder of East and West Ridings	14·49	6·45	22·57	41·88	37·79	18·21	8·96
North Western	16·45	8·01	24·95	41·07	34·74	19·91	6·92
South East Lancashire Conurbation	20·27	8·74	30·91	55·02	46·52	24·78	8·94
Merseyside Conurbation	15·09	8·16	22·45	32·65	27·44	16·55	5·65
Remainder of North Western	13·79	7·27	21·06	33·58	28·57	17·51	5·91
North Midland	17·54	7·90	27·69	50·25	46·14	24·81	9·08
Midland	17·46	8·14	26·82	45·68	38·58	24·93	9·65
West Midlands Conurbation	20·67	9·17	32·14	54·08	44·99	28·75	10·72
Remainder of Midland	14·07	7·09	20·88	35·95	31·55	20·98	8·53
Eastern	15·60	8·59	23·42	34·64	34·37	20·25	7·17
London and South Eastern	18·42	9·11	27·56	39·71	30·19	17·77	6·88
Greater London Conurbation	19·69	9·61	28·65	41·45	31·60	18·78	7·31
Remainder of London and South Eastern	13·93	7·60	22·77	31·61	24·66	14·22	5·45
Southern	17·99	9·61	27·66	39·93	38·32	20·65	8·41
South Western	14·47	7·61	22·89	35·26	31·41	17·03	4·99
Wales	11·33	5·98	17·86	30·22	19·53	13·31	5·60
Wales I (South East)	11·23	5·69	18·34	30·07	21·39	14·56	5·25
Wales II (remainder)	11·59	6·74	16·85	30·53	15·77	10·51	6·37
Urban/Rural aggregates:							
Conurbations	19·34	8·99	28·71	44·74	35·43	21·03	8·05
Areas outside conurbations:							
Urban areas with populations of 100,000 and over	18·10	8·53	27·25	46·39	42·80	22·47	8·39
Urban areas with populations of 50,000 and under 100,000	14·20	6·97	23·51	34·54	31·25	14·67	6·43
Urban areas with populations under 50,000	14·98	7·82	23·23	37·39	31·28	19·95	7·03
Rural districts	12·15	6·71	18·32	28·24	25·67	15·85	5·81

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